UNIVERSITY OF CALIFORNIA

DIVISION OF LIFE SCIENCES
RIVERSIDE, CALIFORNIA

Jan. 9, 1963

Dear Don:

Here are the totals of S. graciosus I have from each area. This includes all ♂ 55 mm S-V or above, all ♀ 50 mm S-V or above.

	San Bernardino	San Gorgonio	San Gabriel	San Jacinto	Palomar	Laguna
April ♂	17	—	9	~~15~~	—	—
♀	7		5	—	—	—
May ♂	4 12 3	—	11	27	—	—
♀	1 4 3	—	6	28	—	8
June ♂	— 15	—	15 1	12	1	6
♀	— 10	—	6	9	—	10
July ♂	— 11	—	11 22 14	2 10	—	1
♀	— 7	—	16 34 8	— 10	—	3
Aug. ♂	12 15 9	—	11 8	9 3 13	—	—
♀	9 20 8	1	7 4	7 6 4	—	—
Sept. ♂	11 9 2	—	2 9	1		—
♀	4 4 1	—	2 10	1		

Hope you can fill some of the gaps. Sample sizes are reasonably good when all are lumped together, but I didn't collect with the idea of keeping the mountain ranges separate. However, it shouldn't be hard to fill the remaining gaps.

Vote Technocracy!

Bill Mayhew

GAPS TO BE FILLED

JAN

(1) S. orcutti temps.; (2) U. inornata activity (0900-1500); U. scoparia activity (0900-1500);

FEB

(1) S. orcutti temps.; (2) U. inornata activity (0900-1330); U. scoparia activ. (0900-1500)

MAR

(1) Activity of Uma spp. from 1400 to 1600;

APR

(1) Activity of Uma spp. from 1330 to 1800 (not.: 1330-1700; inorn.: 1400-1800; scop: 1500+)

(2) S. graciosus - San Jacintos & San Gabriels

* (3) 5 U. inornata 1cm temp (any time)

* (4) ~~20~~ 2 U. notata ~~soil~~ 1cm temp. (any time)

MAY

(1) Uma activity from 1200 to 1800 (not.: 1200-1700; inorn.: 1230-1800; scop.: 1200-1800);

~~(2) S. graciosus - San Berdoos & San Gabriels;~~

~~(3) U. scoparia - Temps.!!~~

* (3) U. scoparia - 2 soil temps. (any time)

JUNE

(1) Uma inorn. activity: 1000+; U. scop.: 1200-1830; U. notata: 1230-1600; ~~(2) S. grac. - San Berdoos;~~

JULY

(1) U. inorn. activity: 1030+; U. scop.: 1030-1730; ~~(2) S. grac. - San Berdoos + San Jac.;~~

AUG

(1) U. inorn. activity: 1000-1830; U. scop.: 1330+; (2) S. grac. - San Gab. + San Jac.;

SEPT

(1) U. inorn. activity: 1130+; U. scop.: 1000-1700; (2) S. grac. - San Gab. + San Jac.;

OCT

(1) ~~U. inorn.~~ Uma spp. activity: 1400+;

NOV

(1) U. inorn. activity: 1000-1400; U. scop.: 1000-1400;

DEC

Temp. Items To Check

1. Check Temps. for single days to see what changes occur vs. time of day.
2. Compare ♂ & ♀ temps. by month.

Sunrise – Sunset (Local Mean Time), 1961
Southern California

Date	Time Sunrise	Time Sunset	Hours Light
Jan. 1	0708	1658	9'50"
Jan 31	0700	1728	10'28"
Feb. 1	0700	1729	10'29"
Feb. 28	0631	1755	11'24"
Mar. 1	0630	1756	11'26"
Mar. 31	0549	1820	13'11"
Apr. 1	0548	1821	13'13"
Apr. 30	0511	1844	13'33"
May 1	0510	1845	13'35"
May 31	0448	1908	15'00"
June 1	0447	1908	15'01"
June 30	0449	1918	15'09"
July 1	0450	1918	15'08"
July 31	0509	1904	14'35"
Aug. 1	0509	1903	14'34"
Aug. 31	0531	1829	13'38"
Sept. 1	0532	1827	13'35"
Sept. 30	0553	1746	12'33"
Oct. 1	0556	1743	12'27"
Oct. 31	0620	1707	11'27"
Nov. 1	0621	1706	11'25"
Nov. 30	0648	1649	10'01"
Dec. 1	0649	1649	10'00"
Dec. 31	0708	1658	9'50"

Date	Time Sunrise	Time Sunset	Hours Light
June 21	0446	1917	15'11"
Dec. 21	0704	1652	9'48"

Source: Hansen, Harry (Editor). 1961. The world almanac and book of facts for 1961. New York World-Telegram Corp., New York, 896 pp.

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https://archive.org/details/lizardtemperatur00mayh_1

Time - Temperature Code

1. All Times are Standard Time.
2. All Times figured on 24 hour system (i.e. 1300 = 1 PM)
3. All Temps. underlined = caught without a chase (i.e. 37.2)
4. (24.0) Temps. of diurnal animals = caught at night.
5. Temps. are divided as following example:

   36.0 to 36.5 = 36°C

   36.6 to 37.0 = 37°C
6. All Times are divided as following example:

   0646 To 0715 = 0700

   0716 to 0745 = 0730

Number of Lizard Temps. Measured Thru 1963

Species	#
Callisaurus	107
Cnem. hyper.	9
" tigris	33
Coleonyx	281
Crot. collaris	9
" wislizeni	58
Dipsosaurus	471
Gerr. mult.	1
Phryn. coron.	2
" m'calli	351
" platy.	40
Sauromalus	7
Scel. grac.	442
" mag.	168
" occid.	280
" orcutti	163
Uma inornata	416
" notata	461
" scoparia	411
Urosaurus	255
Uta stans.	156

Total = 4113

CALLISAURUS DRACONOIDES

CALLISAURUS
DRACONOIDES

CALLISAURUS DRACONOIDES TEMPS
(BY MONTH)

MARCH

x	x^2	x	x^2	x	x^2	x	x^2	x	x^2	x	x^2
37.0	1369.00										
34.0	1156.00										
40.0	1600.00										
38.4	1474.56										

$N = 4$

$\sum x = 149.4$

$\sum x^2 = 5599.56$

$\overline{X} = 37.35$

$\overline{X}^2 = 1395.02$

CALLISAURUS DRACONOIDES TEMPS
(BY MONTH)

APRIL

x	x^2	x	x^2
37.8	1428.84	34.4	1183.36
40.2	1616.04	40.0	1600.00
40.4	1632.16	27.5	756.25
33.5	1122.25	37.0	1369.00
37.8	1428.84		
28.6	817.96		
31.3	979.69		
39.8	1584.04		
34.4	1183.36		
37.8	1428.84		
40.4	1632.16		
37.8	1428.84		
39.2	1536.64		
41.4	1713.96		

N = 14

$\sum x$ = [illegible]

$\sum x^2 = 19,533.62$

N = 18

$\sum x = 659.3$

$\sum x^2 = 24,442.23$

$\bar{X} = 36.62$

$\bar{X}^2 = 1341.02$

CALLISAURUS DRACONOIDES TEMPS
(BY MONTH)

MAY

x	x²	x	x²	x	x²	x	x²	x	x²	x	x²
38.0	1444.00			32.0	1024.0						
38.6	1489.96										
38.4	1474.56										
39.0	1521.00										
38.6	1489.96										
43.8	1918.44										
41.1	1689.21										
41.4	1713.96										
43.4	1883.56										
41.8	1747.24										
39.4	1552.36										
40.6	1648.36										
37.8	1428.84										
40.0	1600.00										
40.4	1632.16										
38.2	1459.24										
40.0	1600.00										

N = 17
$\Sigma x = 680.5$
$\Sigma x^2 = 27,292.25$

N = 18
$\Sigma x = 712.5$
$\Sigma x^2 = 28,316.95$
$\bar{X} = 39.58$
$\overline{X^2} = 1568.57$

CALLISAURUS DRACONOIDES TEMPS
(BY MONTH)

JUNE

x	x^2	x	x^2	x	x^2	x	x^2	x	x^2	x	x^2
40.0	1600.00										
38.8	1505.44										
40.2	1616.04										
39.0	1521.00										
40.2	1616.04										
43.6	1900.96										

$N = 6$

$\sum x = 241.8$

$\sum x^2 = 9759.47$

$\bar{x} = 40.30$

$\bar{x}^2 = 1624.09$

CALLISAURUS DRACONOIDES TEMPS
(BY MONTH)

JULY

x	x^2	x	x^2	x	x^2	x	x^2	x	x^2	x	x^2
45.4	2061.16										
40.0	1600.00										
38.3	1466.89										
42.4	1797.76										
38.6	1489.96										
41.6	1730.56										
42.8	1831.84										
36.6	1339.56										
37.0	1369.00										
32.6	1062.76										
40.5	1640.25										
[illegible]1.6	1389.16										
42.0	1764.00										
43.6	1900.96										
41.6	1730.56										
41.8	1747.24										
42.5	[illegible]										
43.8	1918.44										
42.5	1806.25										
43.5	1892.25										
45.4	2061.16										
42.4	1797.76										
42.5	1806.25										

$N = 35$

$\sum x =$ [illegible]

$\sum x^2 =$ [illegible]

$\bar{X} = 41.39$

$\overline{X^2} = 1713.13$

CALLISAURUS DRACONOIDES TEMPS
(BY MONTH)

AUGUST

$N = 31$

$\sum x = 1256.0$

$\sum x^2 = 51{,}041.$[illegible]

$\bar{X} = 40.51$

$\overline{X^2} = 1641{,}06$

X	X^2	X	X^2	X	X^2	X	X^2	X	X^2	X	X^2
38.0	1444.00										
38.0	1444.00										
40.9	1672.81										
41.9	1755.61										
40.8	1664.64										
41.6	1730.56										
38.9	1513.21	42.4									
40.4	1632.16	44.0									
37.6	1413.76	43.2									
40.1	1608.01	42.2									
42.3	1789.29	42.6									
43.0	1849.00	43.8									
42.8	1831.84	36.0									
40.9	1672.81	37.6									
43.3	1874.89	39.8									
41.5	1722.25	38.0									
42.8	1831.84	40.4									
38.8	1505.44										
39.8	1584.04										
32.6	1062.76										
42.6	1814.76										
39.4	1552.36										
42.0	1764.00										
40.0	1600.00										
40.6	1648.36										
42.0	1764.00										
39.2	1536.64										
38.4	1474.56										
42.0	1764.00										
44.0	1936.00										
39.8	1584.04										

CALLISAURUS DRACONOIDES TEMPS
(BY MONTH)

SEPTEMBER

x	x^2	x	x^2	x	x^2	x	x^2	x	x^2	x	x^2
39.1*	1528.81										
39.6	1568.16										
38.5	1482.25										
39.7	1576.09										
38.5	1482.25										
41.5	1722.25										
(29.2)	852.64										
40.0	1600.00										
42.0	1764.00										

N = 8 without [illegible]

Σx = 318.9

Σx^2 = 12,7[illegible]

$\bar{x}$ = 39.86

$\overline{x^2}$ = 1589.[illegible]

* caught 18 min. after sunset

CALLISAURUS DRACONOIDES TEMPS
(BY MONTH)

OCTOBER

X	X^2	X	X^2	X	X^2	X	X^2	X	X^2	X	X^2
41.0	1681.00										
37.9	1436.41										
40.4	1632.16										
38.4	1474.56										
37.5	1406.25										
40.4	1632.16										

$N = 6$

$\Sigma x = 235.6$

$\Sigma x^2 = 9$[illegible]

$\bar{X} = 39.26$

$\bar{X^2} = 1541.34$

CALLISAURUS DRACONOIDES TEMPS
(BY SEX)

♂

x	x^2	x	x^2	x	x^2	x	x^2	x	x^2	x	x^2
40.0	1600.00	40.2	1616.04	42.0	1764.00						
38.3	1466.89	41.6	1730.56	N = 61							
38.6	1489.96	32.6	1062.76	$\Sigma x = 2433.4$							
40.9	1672.81	43.0	1849.00	$\Sigma x^2 = 97,506.0$							
41.6	1730.56	[illegible]	1672.81								
40.4	1632.16	41.5	1722.25								
40.1	1608.01	33.4	1115.56								
42.3	1789.29	37.8	1428.84								
39.6	1568.16	40.4	1632.16	34.4	1183.36						
38.5	1482.25	37.8	1428.84	N = 62							
38.5	1482.25	42.6	1814.76	$\Sigma x = 2467.8$							
41.0	1681.00	40.0	1600.00	$\Sigma x^2 = 98,689.36$							
40.4	1632.16	40.4	1632.16	$\bar{X}$ = 39.80							
38.4	1474.56	40.6	1648.36	$\overline{X^2}$ = [illegible]							
37.5	1406.25	43.6	1900.96								
37.0	1369.00	41.8	1747.24	43.2							
34.0	1156.00	42.5	1806.25	42.4							
40.0	1600.00	43.8	1918.44	36.0							
38.4	1474.56	42.5	1806.25	37.6							
37.8	1428.84	42.4	1797.76	37.8							
37.8	1428.84	39.4	1552.36	40.4							
31.3	979.69	40.6	1648.36								
39.8	1584.04	42.0	1764.00								
34.4	1183.36	44.0	1936.00								
39.0	1521.00	39.8	1584.04								
43.8	1918.44	41.4	1713.96								
41.4	1713.96	40.0	1600.00								
43.4	1883.56	40.4	1632.16								
41.8	1747.24	38.2	1459.24								
40.2	1616.04	40.0	1600.00								

CALLISAURUS DRACONOIDES TEMPS (BY SEX)

♀

x	x^2	x	x^2	x	x^2	x	x^2	x	x^2
38.0	1444.00	28.8	831.84	40.0	[illegible]				
38.0	1444.00	38.8	1505.44	27.5	756.25				
45.4	2061.16	39.4	1552.36	37.0	1369.00				
42.4	1797.76	44.6	1989.16	32.0	1024.00				
41.9	1755.61	42.0	1764.00	N = 53					
40.8	1664.64	39.8	1584.04	$\sum x$ = 2091.1					
38.9	1513.21	32.6	1062.76	$\sum x^2$ = 82,482.13					
37.6	1413.76	41.5	1722.25	$\bar{X}$ = 39.45					
39.1	1528.81	(29.2)	852.64	$\bar{X}^2$ = 1556.36					
39.7	1576.09	39.2	1536.64						
37.9	1436.41	41.6	1730.56	44.0					
40.2	1616.04	43.5	1892.25	42.2					
40.4	1632.16	45.4	2061.16	42.6					
33.5	1122.25	[illegible]	1560.25	43.8					
28.6	817.96	42.0	1764.00	38.0					
38.0	1444.00	40.0	1600.00						
38.6	1489.96	42.0	1764.00						
38.4	1474.56	39.2	1536.64						
38.6	1489.96	38.4	1474.56						
41.1	1689.21	37.8	1428.84						
40.0	1600.00	N = 49							
38.8	1505.44	$\sum x$ = 1954.6							
39.0	1521.00	$\sum x^2$ = 78,433.0							
43.6	1900.96	without wig animal							
42.8	1831.84								
36.6	1339.56								
37.0	1369.00								
40.5	1640.25								
42.8	1831.84								
43.3	1874.89								

CALLISAURUS DRACONOIDES TEMPS (BY AGE)

ADULT

X	X²	X	X²	X	X²	X	X²	X	X²	X	X²
38.0	1444.00	41.1	1689.21	[illegible].6	1648.36	34.4	1183.[illegible]				
38.0	1444.00	41.4	1713.96	43.6	1900.96	40.0	1600.00				
45.4	2061.16	43.4	1883.56	41.6	1730.56	37.0	1369.00				
42.4	1797.76	41.8	1747.24	41.8	1747.24	32.0	1024.00				
40.9	1672.81	[illegible].0	1600.00	[illegible]	[illegible]	N = 86					
[illegible].6	1730.56	40.2	1616.04	43.8	1918.44	Σx = 3417.8					
37.6	1413.76	39.0	1521.00	42.5	1806.25	Σx^2	136,724.54				
42.3	1789.29	40.2	1616.04	45.4	2061.16	$\bar{x}$ = 39.74					
39.6	1568.16	43.6	1900.96	42.4	1797.76	$\bar{x}^2$	1577.26				
39.7	1576.09	36.6	1339.56	39.4	1552.36						
38.5	1482.25	37.0	1369.00	42.0	1764.00	42.4					
40.4	1632.16	32.6	1062.76	40.0	1600.00	44.0					
31.5	1406.25	40.5	1640.25	40.6	1648.36	43.2					
34.0	1156.00	43.0	1849.00	42.0	1764.00	42.2					
40.0	1600.00	42.8	1831.84	39.2	[illegible]	42.6					
38.4	1474.56	40.9	1672.81	38.4	1474.56	43.8					
40.2	1616.04	43.3	1874.89	42.0	1764.00	36.0					
40.4	1632.16	41.5	1722.25	44.0	1936.00	37.6					
33.5	1122.25	42.8	1831.84	[illegible]	1584.04	39.8					
37.8	1428.84	38.8	1505.44	41.4	1713.96	38.0					
28.6	817.96	37.8	1428.84	37.8	1428.84	40.4					
31.3	979.69	40.4	1632.16	42.0	1764.00						
39.8	1584.04	37.8	1428.84	N = 82							
38.0	1444.00	39.4	1552.36	Σx = 3274.4							
34.4	1183.36	44.6	1989.16	Σx^2 = 131,548.[illegible]							
38.6	1489.96	39.8	1584.04								
38.4	1474.56	32.6	1062.76								
39.0	1521.00	42.6	1814.76								
38.6	[illegible]	40.4	1632.16								
[illegible]	1418.44	39.2	1536.64								

CALLISAURUS DRACONOIDES TEMPS
(BY AGE)

IMMATURE

x	x^2	x	x^2	x	x^2	x	x^2	x	x^2	x	x^2
40.0	1600.00	27.5	[illegible]								
38.3	1466.89										
38.6	1489.96										
41.9	1755.61										
40.8	1664.64										
38.9	1513.21										
40.4	1632.16										
40.1	1608.01										
39.1	1528.81										
38.5	1482.25										
41.0	1681.00										
37.9	1436.41										
38.4	1474.56										
37.0	1369.00										
37.8	1428.84										
38.8	1505.44										
41.6	1730.56										
42.8	1831.84										
42.0	1764.00										
41.5	1722.25										
(29.2)	852.64										
40.0	1600.00										
43.5	1892.25										
42.5	1806.25										
40.0	1600.00										
38.2	1459.24										
40.0	1600.00										

$N = 27$

$\Sigma x = 1067.1$

$\Sigma x^2 = 42,3$[illegible]

$\bar{X} = 39.52$

$\bar{x}^2$ [illegible] 1581.48

$N = 26$

$\Sigma x = 1039.6$

$\Sigma x^2 = 41,643.18$

without [illegible] animal

CALLISAURUS DRACONOIDES TEMPS
(BY AGE)

JUVENILE

X	X^2	X	X^2	X	X^2	X	X^2	X	X^2	X	X^2

[illegible] handouts
+ figures

Cnemidophorus tigris

Cnemidophorus tigris temps
(by month)

MARCH

x	x^2	x	x^2
40.0	1600.00		

$n = $ [illegible]

$\Sigma x = 40.0$

$\Sigma x^2 = 1600.00$

$\bar{x} = 40.0$

$\bar{x}^2 = 1600.00$

Cnemidophorus tigris Temps
(by month)

APRIL

x	x^2	x	x^2
39.2	1536.64	37.0	1369.00
37.6	1413.76	39.6	1568.16
38.0	1444.00	39.2	1536.64
36.8	1354.24		
39.9	1592.01		
40.5	1640.25		
36.0	1296.00		
38.8	1505.44		
39.4	1552.36		
40.2	1616.04		
38.4	1474.56		

$N = 11$

$\sum x = 424.2$

$\sum x^2 = 16,425.3$

$N = 14$

$\sum x = 540.6$

$\sum x^2 = 20,899.10$

$\bar{x} = 38.61$

$\bar{x}^2 = 1490.73$

Cnemidophorus tigris temps
(by month)

MAY

x	x^2	x	x^2	x	x^2
37.6	1413.76			22.2	492.84
40.0	1600.00				
40.8	1664.64				

$N = 3$

$\Sigma x = 118.4$

$\Sigma x^2 = 4,678.4$

$N = 4$

$\Sigma x = 140.6$

$\Sigma x^2 = 5171.24$

$\bar{X} = 35.15$

$\bar{X}^2 = 1235.52$

[illegible] by 3 [illegible]

Cnemidophorus *tigris* Temps
(by month)

JUNE

x	x^2	x	x^2
40.8	1664.64		
38.2	1459.24		
38.0	1444.00		
44.2	1953.64		
42.5	1806.25		
43.4	1883.56		

$n = 6$

$\Sigma x = 247.1$

$\Sigma x^2 = 10,211.33$

$\overline{X} = 41.18$

$\overline{X}^2 = 1695.79$

Cnemidophorus tigris Temps
(by month)

JULY

x	x^2	x	x^2
40.8	1664.64		
41.2	1697.44		
42.1	1772.41		

$N = 3$

$\Sigma x = 124.1$

$\Sigma x^2 = 5134.49$

$\bar{x} = 41.36$

$\bar{x}^2 = 1710.64$

Cnemidophorus tigris Temps
(by month)

AUGUST

x	x^2	x	y^2
44.2	195364		
44.0	1600.00		
42.0	1764.00		
42.4	1797.76		

$N = 4$

$\sum x = 172.6$

$\sum x^2 = 7,115.4$

$\bar{X} = 43.15$

$\bar{X}^2 = 1861.92$

41.8

41.6

Cnemidophorus tigris Temps
(by month)

SEPTEMBER

x	x^2	x	x^2
39.1	1528.81		
41.7	1738.89		
43.5	1892.25		
38.0	1444.00		

N = 4

$\sum x = 162.3$

$\sum x^2 =$ [illegible]

$\bar{X} = 40.57$

$\bar{X^2} = 1645.12$

Cnemidophorus tigris Temps
(by sex)

♂

X	X^2	X	X^2	X	X^2
40.8	1664.64				
41.2	1697.44				
44.2	1953.64				
41.7	1738.89				
38.0	1444.00				
39.9	1592.01				
37.6	1413.76				
40.0	1600.00				
40.8	1664.64				
38.2	1459.24				
38.0	1444.00				
44.2	1953.64				
41.0	1681.00				
42.4	1797.76				
38.0	1444.00				

$N = 15$

$\sum x = 606.0$

$\sum x^2 = 24,599.06$

$\bar{X} = 40.40$

$\bar{X}^2 = 1632.16$

41.8

41.6

Cnemidophorus tigris Temps
(by sex)

♀

x	x^2	x	x^2	x	x^2
44.0	1936.00				
39.1	1528.81				
39.2	1536.64				
37.6	1413.76				
36.8	1354.24				
40.8	1664.64				
42.5	1806.25				
42.0	1764.00				
43.4	1883.56				

N = 9

$\sum x = 365.4$

$\sum x^2 = 14,887.9$

$\bar{X} = 40.60$

$\bar{X}^2 = 1648.36$

Cnemidophorus tigris Temps
(by age)

ADULT

x	x^2	x	x^2	x	x^2
40.8	1664.64	N = 30			
41.2	1697.44	$\Sigma x = 1217.5$			
44.2	1953.64	$\Sigma x^2 = 49,540.43$			
44.0	1936.00				
39.1	1528.81	39.6	1568.16		
41.7	1738.89	39.2	1536.64		
39.2	1536.64	22.2	492.84		
37.6	1413.76	N = 33			
38.0	1444.00	$\Sigma x = 1318.50$			
36.8	1354.24	$\Sigma x^2 = 53,138.07$			
39.9	1592.01	$\bar{X} = 39.95$			
40.5	1640.25	$\overline{X^2} = 1596.00$			
37.6	1413.76				
40.0	1600.00	41.8			
40.8	1664.64	41.6			
40.8	1664.64				
38.2	1459.24				
38.0	1444.00				
44.2	1953.64				
42.5	1806.25				
42.1	1772.41				
43.5	1892.25				
41.0	1681.00				
42.0	1764.00				
42.4	1797.76				
40.0	1600.00				
38.4	1474.56				
39.4	1552.36				
40.2	1616.04				
43.4	1883.56				

Cnemidophorus tigris Temps.
(by age)

IMMATURE

x	x^2	x	x^2
36.0	1296.00		
38.8	1505.44		
38.0	1444.00		

N = 3
$\Sigma x = 112.8$
$\Sigma x^2 = 4245.44$

37.0	1369.00

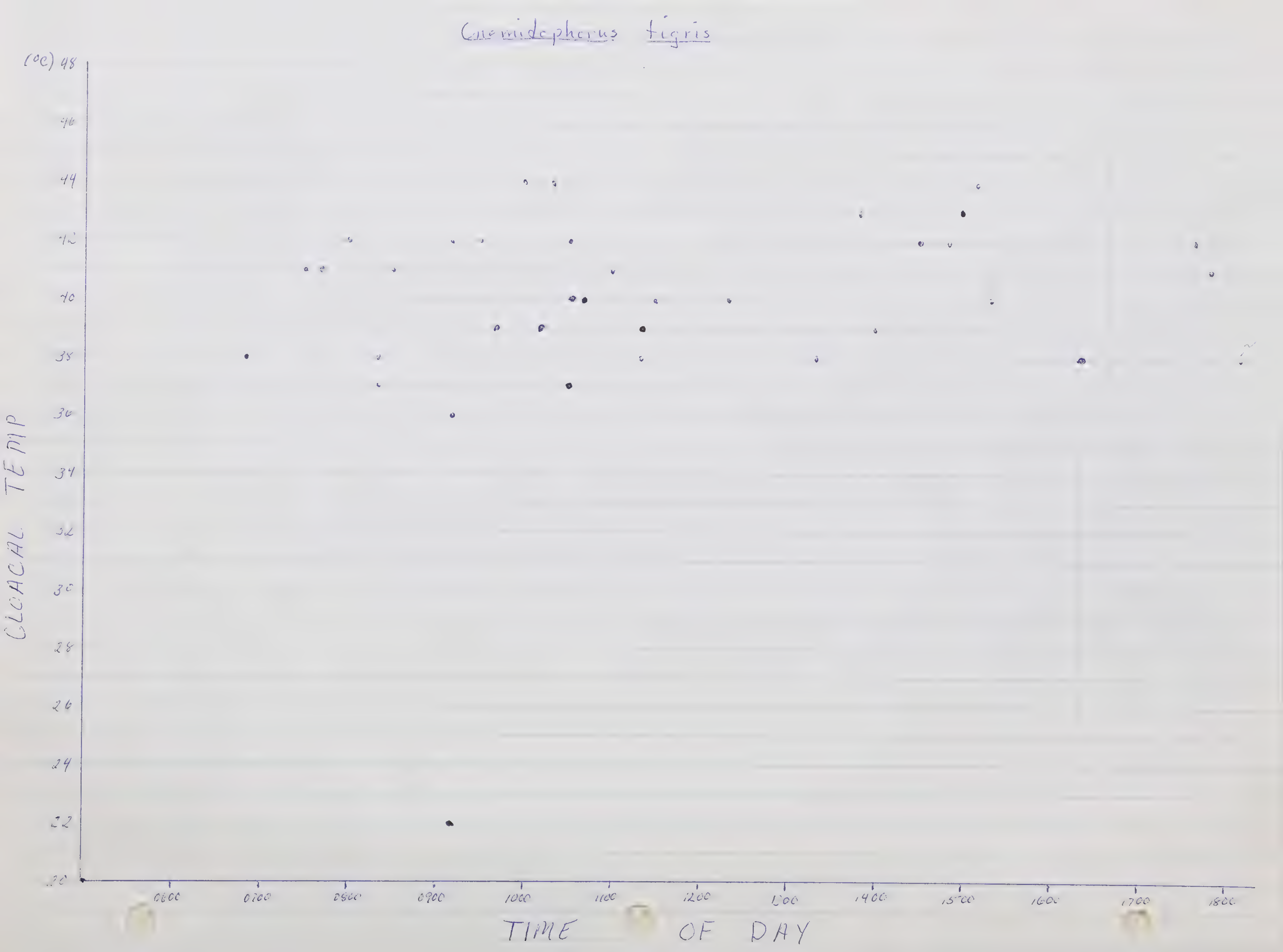
N = 4
$\Sigma x = 149.8$
$\Sigma x^2 = 5614.44$
$\bar{x} = 37.45$
$\bar{x}^2 = 1403.50$

Cnemidophorus tigris Temps
(by age)

JUVENILE

Cnemidophorus tigris Temps

Temp (°C)	No. of Animals	"No Chase"
19		
20		
21		
22	I	
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35	I	
36	II	
37	𝍸 II	
38	𝍸	II
39	𝍸 I	
40	NLL	I
41	𝍸 II	I
42	II	I
43	III	
44		
45		
46		
47		


Cnemidophorus tigris
(°C) 48
46
44
42
40
38
36
34
32
30
28
26
24
22
20
CLOACAL TEMP
0600
0700
0800
0900
1000
1100
1200
1300
1400
1500
1600
1700
1800
TIME OF DAY

Time *Cnemidophorus* *tigris* are active
(by month)

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0500												
0530												
0600												
0630								I	I			
0700					II	IIII	I		I			
0730				II		I	I	II				
0800				II	I	I	I	I	I			
0830					III	II	I	I	IIII			
0900					卌			I	II	I		
0930					I	I		IIII	I			
1000				II	I			II				
1030					I					I		
1100				I	III				II	I		
1130				I						I		
1200			I									
1230					II			I				
1300				I				I				
1330									II			
1400				I	I			II				
1430						II			II			
1500				III	I			I				
1530					I				I			
1600					II							
1630						I						
1700							I					
1730						III						
1800												
1830												
1900												

COLEONYX VARIEGATUS

IRIS
INSERTABLE
INDEX SETS

I.R. - 13 8½ x 11

"CEL-U-DEX" PRODUCT
TRADE MARK

COLEONYX
VARIEGATUS

June 14, 1972

Dr. Yehudah Werner
Department of Zoology
Hebrew University of Jerusalem
Jerusalem, Israel

Dear Yehudah:

It was very good to hear from you again, and to learn that everything is going fine with you. It sounds as though you had an exceedingly wonderful trip in 1970-71.

Regarding the temperature data for Coleonyx variegatus: yes, the only portion I have published so far was in "Desert Biology". Hopefully, I can get the rest written up sometime this year. Between my rather heavy teaching load the last couple of years, and spending the summers of 1970 and 1971 in India, manuscripts have not been completed very fast in recent months. I expect this to change now, however.

The following, I think, is the information you desire regarding Coleonyx:

		Temperature (°C)	
Month	N	Mean	Range
March	5	25.6	20.0-34.8
April	111	23.6	17.2-30.4
May	42	26.0	19.6-32.7
June	51	28.9	23.2-33.0
July	15	35.0	30.2-37.5
August	34	32.3	27.9-36.2
September	20	31.6	25.5-37.0
October	15	27.6	20.2-32.6
November	1	30.3	----
Total	294	27.2	17.2-37.5

$s^2 = 20.$[illegible]

June 14, 1972

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Hebrew University of Jerusalem
Jerusalem, Israel

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July	15	35.0	30.2-37.5
August	34	32.3	27.9-36.2
September	20	31.6	25.5-37.0
October	15	27.6	20.2-32.6
November	1	30.3	----
Total	294	27.2	17.2-37.5

Dr. Yehudah Werner
June 14, 1972
Page Two

No, I do not know of anyone that has any temperature records for C. V. bogerti.

I think the reference regarding Uta and Coleonyx that you misplaced was one of the following:

1) Evans, K. J. 1966. Responses of the locomotor activity rhythms of lizards to simultaneous light and temperature cycles. Comp. Biochem. Physiol., 19:91-103.

2) Evans, K. J. 1967. Observations on the daily emergence of Coleonyx variegatus and Uta stansburiana. Herpetologica, 23:217-222.

According to my records, you should have received all 20 of my papers that dealt with reptiles or amphibians. This list does not include chapters in the books by Milstead-Lizard Ecology, and Brown-Desert Biology. I hope all of them reached you safely.

I hope this information will be of some use to you. I am glad to be kept informed of your progress.

Sincerely,

Wilbur W. Mayhew
Professor of Zoology

WWM:sc

COLEONYX VARIEGATUS HABITAT

CREOSOTE BUSH SCRUB

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N = 289

SAND DUNE

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|

N = 141

1 MESQUITE THICKET
2 COSTAL SAGE SCRUB
1 JOSHUA TREE WOODLAND

COLEONYX VARIEGATUS TEMPS

(BY MONTH)

MARCH

x	x^2	x	x^2	x	x^2	x	x^2	x	x^2	x	x^2
26.6	707.56										
34.8	1211.04										
23.8	566.44										
23.0	529.00										
20.0	400.00										

$N = 5$

$\Sigma x = 128.2$

$\Sigma x^2 = 3414.04$

$\bar{X} = 25.64$

$\bar{X}^2 = 657.41$

$s^2 = 31.76$

$S.E. = \sqrt{6.35}$

$= 2.52$

COLEONYX *variegatus* TEMPS
(BY MONTH)

APRIL

x	x^2	x	x^2	x	x^2	x	x^2	x	x^2	x	x^2
22.4	501.76	23.0	529.00	25.8	665.64	25.0	625.00	25.6	[illegible]		
25.5	650.25	22.8	519.84	26.4	696.96	25.8	665.64	20.8	[illegible]		
22.0	484.00	21.6	466.56	29.0	841.00	25.6	655.36	23.8	[illegible]		
21.6	466.56	21.4	457.96	24.8	615.04	24.8	615.04	22.0	[illegible]		
22.0	484.00	22.2	492.84	26.8	718.24	23.6	556.96				
21.2	449.44	21.2	449.44	27.0	729.00	24.6	605.16				
22.0	484.00	22.2	492.84	25.2	635.04	22.0	484.00				
21.6	466.56	28.0	784.00	25.8	665.64	22.6	510.76				
19.9	396.01	26.2	686.44	25.6	655.36	23.0	529.00				
20.7	428.49	25.2	635.04	21.9	479.61	24.8	615.04				
21.0	441.00	22.0	484.00	24.8	615.04	23.0	529.00				
18.5	342.25	22.0	484.00	24.8	615.04	21.2	449.44				
25.5	650.25	21.0	441.00	23.0	529.00	20.6	424.36				
24.4	595.36	21.6	466.56	24.8	615.04	21.8	475.24				
23.8	566.44	20.4	416.16	23.6	556.96	20.6	424.36				
27.2	739.84	24.8	615.04	25.0	625.00	21.8	475.24				
25.2	635.04	24.0	576.00	24.0	576.00	19.2	368.64				
25.4	645.16	26.8	718.24	24.4	595.36						
25.6	655.36	26.0	676.00	21.0	441.00						
25.8	665.64	25.0	625.0	24.2	585.64						
25.4	645.4	24.4	595.36	21.0	441.00						
26.4	696.96	26.2	686.44	21.0	441.00						
23.0	529.00	24.4	595.36	19.6	384.16						
24.2	585.64	24.0	576.00	19.0	361.00						
24.4	595.36	26.0	676.00	18.4	338.56						
25.6	655.36	25.5	650.25	17.2	295.84						
21.4	457.96	26.0	676.00	19.4	376.36						
24.8	615.04	22.0	484.00	24.0	576.00						
23.6	556.96	30.4	924.16	25.0	625.00						
24.0	576.00	28.0	784.00	26.6	707.56						

N = [illegible]
Σx = [illegible]
Σx^2 = [illegible]
$\bar{x}$ [illegible]
[illegible]
$s^2 = 5.92$
[illegible]
[illegible]

N = 107
$\Sigma x = 2527.5$
$\Sigma x^2 = 60,334.95$

COLEONYX VARIEGATUS TEMPS
(BY MONTH)

MAY

x	x^2	x	x^2	x	x^2	x	x^2	x	x^2	x	x^2
28.6	817.96	24.4	595.36								
30.0	900.00	27.6	761.76								
30.5	930.25	24.0	576.00								
28.6	817.96	24.0	576.00								
29.8	888.04	22.6	510.76								
29.7	882.09	24.0	576.00								
28.6	817.96	23.0	529.00								
30.0	900.00	23.0	529.00								
29.3	858.49	22.8	519.84								
29.0	841.00	27.4	750.76								
26.7	712.89	28.0	784.00								
27.2	739.84	27.0	729.00								
27.4	750.76										
32.7	1069.29										
24.0	576.00										
22.6	510.76										
24.0	576.00										
24.2	585.64										
23.0	529.00										
26.0	676.00										
22.2	492.84										
24.0	576.00										
20.2	408.04										
19.6	383.16										
27.0	729.00										
24.2	585.64										
26.6	707.56										
26.0	676.00										
26.0	676.00										
27.4	750.76										

$N = 42$

$\Sigma X = 1092.9$

$\Sigma X^2 = 28,802.41$

$\bar{X} = 26.$[illegible]

$(\bar{X})^2 =$ [illegible]

$s^2 =$ [illegible]

$S.E. = \sqrt{.213}$

$= .46$[illegible]

COLEONYX *variegatus* TEMPS

(BY MONTH)

JUNE

x	x^2	x	x^2	x	x^2	x	x^2	x	x^2	x	x^2
31.4	985.96	29.0	841.00	32.4	[illegible]						
26.0	676.00	29.2	852.64	30.0	[illegible]						
28.0	784.00	28.0	784.00	30.4	92[illegible]						
29.5	870.25	25.8	665.64	31.6	[illegible]						
31.0	961.00	27.0	729.00	31.0	961.00						
29.0	841.00	26.0	676.00	29.8	888.04						
29.4	864.36	27.0	729.00	28.0	78[illegible]						
29.4	864.36	24.6	605.16	28.8	829.44						
28.0	784.00	25.6	655.36	29.0	8[illegible]						
27.6	761.76	28.0	784.00								
29.0	841.00	23.2	538.24								
27.6	761.76	27.4	750.76								
28.0	784.00	$N = 47$									
33.0	1089.00	$\Sigma x = 1203.3$									
31.8	1011.24	$\Sigma x^2 = 34{,}464.85$									
29.0	841.00										
28.0	784.00										
26.4	696.96										
28.0	784.00										
31.2	973.44										
29.6	876.16										
31.0	961.00										
30.2	912.04										
33.0	1089.00										
31.0	961.00										
30.8	948.64										
29.4	864.36										
28.4	806.56										
27.2	739.84										
30.6	936.36										

$N = 5$[illegible]

$\Sigma x = 14$[illegible]

$\Sigma x^2 = 42$[illegible]

$\bar{x}$ [illegible]

[illegible]

s^2 [illegible] 4.7[illegible]

S.E. $= \sqrt{.09}$[illegible]

[illegible]

COLEONYX VARIEGATUS TEMPS
(BY MONTH)
JULY

x	x^2	x	x^2	x	x^2	x	x^2	x	x^2	x^2	x^2
36.0	1296.00										
36.4	1324.96										
37.5	1406.25										
35.8	1281.64										
34.5	1190.25										
33.6	1128.96										
32.0	1024.00										
30.2	912.04										
37.0	1369.00										
35.2	1239.04										
34.8	1211.04										
35.0	1225.00										
35.8	1281.64										
35.6	1267.36										

$n = 14$

$\Sigma x = 489.4$

$\Sigma x^2 = 17,157.11$

$\bar{x}$ = [illegible]

$\bar{x}^2 = 1221.50$

$s^2 = 4.22$

S.E. = $\sqrt{.305}$

= .555

COLEONYX *VARIEGATUS* TEMPS
(BY MONTH)

AUGUST

x	x^2	x	x^2	x	x^2	x	x^2	x	x^2	x	x^2
32.0	1024.00	29.8	888.04								
34.0	1156.00	29.0	841.00								
34.2	1169.64	32.0	1024.00								
30.0	900.00										
35.2	1239.04										
33.9	1149.21										
33.8	1142.44										
33.1	1095.61										
33.5	1122.25										
32.1	1030.41										
31.6	998.56										
29.7	882.09										
27.9	778.41										
34.0	1156.00										
32.8	1075.84										
29.5	870.25										
31.0	961.00										
32.2	1036.84										
34.2	1169.64										
36.0	1296.00										
33.6	1128.96										
32.8	1075.84										
31.4	985.96										
36.2	1310.44										
30.6	936.36										
34.8	1211.04										
34.8	1211.04										
31.0	961.00										
30.2	912.04										
30.0	900.00										

$N = 33$

$\Sigma \bar{X} = 1{,}066.9$

$\Sigma x^2 = 34{,}638.95$

$\bar{X} = 32.33$

$(\bar{X})^2 =$ [illegible]

$S^2 = 4.58$

$S.E. = \sqrt{.139}$

$= .373$

COLEONYX VARIEGATUS TEMPS
(BY MONTH)

SEPTEMBER

x	x^2	x	x^2	x	x^2	x	x^2	x	x^2	x	x^2
37.0	1369.00										
36.2	1310.44										
36.4	1324.96										
36.0	1296.00										
35.8	1281.64										
32.5	1056.25										
34.5	1190.25										
28.5	812.25										
25.5	650.25										
25.8	665.64										
26.0	676.00										
27.0	729.00										
25.5	650.25										
27.0	729.00										
34.0	1156.00										
34.6	1197.16										
32.6	1062.76										
32.8	1075.84										
33.0	1089.00										

$N = 19$

$\sum x = 600,7$

$\sum x^2 = 19,321.69$

$\bar{x} =$ [illegible]

$(\bar{x})^2 =$ [illegible]

$s^2 =$ [illegible]

[illegible]

[illegible]

COLEONYX VARIEGATUS TEMPS
(BY MONTH)

OCTOBER

x	x^2	x	x^2	x	x^2	x	x^2	x	x^2	x	x^2
32.6	1062.76										
30.4	924.16										
28.4	806.56										
29.5	870.25										
31.0	961.00										
31.0	961.00										
31.2	973.44										
29.7	882.09										
27.3	745.29										
28.2	795.24										
23.0	529.00										
23.0	529.00										
20.8	432.64										
20.2	408.04										

$N = 14$

$\Sigma x = 386.3$

$\Sigma x^2 = 10{,}880.47$

$\overline{X} = 27.59$

$(\overline{X})^2 = 761.20$

$S^2 = 17.20$

$SE = \sqrt{1.23}$

1.11

COLEONYX variegatus TEMPS
(BY MONTH)

NOVEMBER

X	X^2	X	X^2	X	X^2	X	X^2	X	X^2	X	X^2
30.3	918.09										

$N = 1$

$\sum x = 30.3$

$\sum x^2 = 918.09$

$\bar{X} = 30.3$

$\bar{X}^2 = 918.09$

COLEONYX *variegatus* TEMPS (BY SEX)

♂

x	x^2	x	x^2	x	x^2	x	x^2	x	x^2	x	x^2
22.4	501.76	21.2	449.44	26.4	696.96	30.2	912.04	30.0	900.00	23.0	529.00
25.5	650.25	22.0	484.00	28.0	784.00	30.8	948.64	29.8	888.04	23.0	529.00
26.0	676.00	21.0	441.00	32.8	1075.84	28.4	806.56	34.0	1156.00	27.0	729.00
28.0	784.00	25.5	650.25	29.5	870.25	27.2	739.84	32.6	1062.76	27.4	750.76
29.5	870.25	24.4	595.36	36.4	1324.96	32.0	1024.00	24.8	615.04	23.2	538.24
31.0	961.00	23.8	566.44	36.0	1296.00	30.2	912.04	23.0	529.00	24.6	605.16
27.6	761.76	25.2	635.04	20.8	432.64	34.2	1169.64	23.6	556.96	26.0	676.00
29.0	841.00	25.4	645.16	20.2	408.04	36.0	1296.00	25.0	625.00	25.6	[illegible]
32.0	1024.00	25.6	655.36	23.0	529.00	32.8	1075.84	24.0	576.00	20.8	432.64
34.0	1156.00	24.4	595.36	20.0	400.00	36.2	1310.44	24.2	585.64	23.8	566.44
33.8	1142.44	21.4	457.96	28.0	784.00	34.5	1190.25	21.0	441.00	N = 160	
33.1	1095.61	24.8	615.04	21.0	441.00	25.8	665.64	21.0	441.00	Σx = [illegible]	
33.5	1122.25	24.0	576.00	21.6	466.56	27.0	729.00	18.4	338.56	Σx^2 [illegible]	
32.1	1030.41	23.0	529.00	24.8	615.04	30.8	948.64	19.4	376.36		
29.7	882.09	22.8	519.84	24.0	576.00	28.0	784.00	24.0	576.00		
27.9	778.41	21.4	457.96	26.0	676.00	25.8	665.64	25.0	625.00	30.0	[illegible]
37.0	1369.00	22.2	492.84	25.0	625.00	29.0	841.00	25.8	665.64	[illegible]	[illegible]
36.2	1310.44	21.2	449.44	24.4	595.36	24.8	615.04	25.6	655.36	29.0	841.00
32.6	1062.76	22.2	492.84	26.2	686.44	26.8	718.24	24.8	615.04	N = [illegible]	
30.4	924.16	25.2	635.04	24.0	576.00	25.2	635.04	23.6	556.96	Σx = [illegible]	
28.4	806.56	29.8	888.04	26.0	676.00	25.8	665.64	22.0	484.00	Σx^2 = [illegible]	
31.0	961.00	29.7	882.09	26.0	676.00	29.0	841.00	23.0	529.00	$\bar{x}$ = [illegible]	
31.0	961.00	29.0	841.00	22.0	484.00	29.2	852.64	21.2	449.44	$\bar{x}^2$ = [illegible]	
27.3	745.29	26.7	712.89	22.6	510.76	37.0	1369.00	20.6	424.36	[illegible]	
28.2	795.24	27.2	739.84	24.0	576.00	35.2	1239.04	19.2	368.64	[illegible]	
30.3	918.09	27.4	750.76	24.2	585.64	35.0	1225.00	26.0	676.00	[illegible]	
26.6	707.56	24.0	576.00	23.0	529.00	35.8	1281.64	24.4	595.36		
34.8	1211.04	28.0	784.00	22.2	492.84	35.6	1267.36	24.0	576.00		
21.6	466.56	29.6	876.16	24.0	576.00	34.8	1211.04	22.6	510.76		
22.0	484.00	29.0	841.00	29.6	876.16	34.8	1211.04	24.0	576.00		

COLEONYX VARIEGATUS TEMPS
(BY SEX)

♀

X	X²	X	X²	X	X²	X	X²	X	X²	X	X²
34.2	1169.64	30.0	900.00	31.2	973.44	32.8	1075.84	27.0	729.00		
22.0	484.00	30.5	930.25	31.0	961.00	33.0	1089.00	27.0	729.00		
31.4	985.96	28.6	817.96	33.0	1089.00	24.8	615.04	25.8	665.64		
29.0	841.00	28.6	817.96	31.0	961.00	24.8	615.04	32.0	1024.00		
29.4	864.36	30.0	900.00	29.4	864.36	24.4	595.36	22.0	[illegible]		
29.4	864.36	29.3	858.49	35.8	1281.64	21.0	441.00	N = 125			
28.0	784.00	32.7	1069.29	34.5	1190.25	19.6	384.16	ΣX = [illegible]			
27.6	761.76	33.0	1089.00	33.6	1128.96	19.0	361.00	ΣX² = [illegible]			
36.0	1296.00	31.8	1011.24	33.6	1128.96	17.2	295.84				
36.4	1324.96	29.6	876.16	31.4	985.96	25.0	625.00				
35.2	1239.04	28.0	784.00	32.5	1056.25	26.6	707.56	32.4	[illegible]		
33.9	1149.21	37.5	1406.25	28.5	812.25	24.6	605.16	31.4	[illegible]		
31.6	998.56	34.0	1156.00	25.5	650.25	22.6	510.76	31.6	[illegible]		
29.5	870.25	30.2	912.04	26.0	676.00	24.8	615.04	31.0	[illegible]		
31.2	973.44	30.0	900.00	25.5	650.25	23.0	529.00	29.8	[illegible]		
29.7	882.09	32.2	1036.84	27.0	729.00	21.8	475.24	25.0	[illegible]		
21.6	466.56	35.8	1281.64	30.4	924.16	20.6	424.36	N = [illegible]			
19.9	396.01	23.0	529.00	26.4	696.96	21.8	475.24	ΣX = [illegible]			
20.7	428.49	23.0	529.00	27.0	729.00	27.0	729.00	ΣX² = [illegible]			
18.5	342.25	23.8	566.44	25.6	655.36	24.2	585.64	X̄ = [illegible]			
27.2	739.84	26.2	686.44	21.9	479.61	26.6	707.56	[illegible]			
25.8	665.64	25.2	635.04	19.6	383.16	26.0	676.00	[illegible]			
25.4	645.16	22.0	484.00	30.6	936.36	27.4	750.76	[illegible]			
26.4	696.96	22.0	484.00	28.0	784.00	27.6	761.76	[illegible]			
23.0	529.00	20.4	416.16	34.8	1211.04	24.0	576.00				
24.2	585.64	26.8	718.24	30.6	936.36	22.8	519.64				
24.6	605.16	24.4	595.36	31.0	961.00	27.4	750.76				
23.6	556.96	25.5	650.25	30.2	912.04	28.0	784.00				
21.6	466.56	26.0	676.00	29.0	841.00	28.0	784.00				
28.6	817.96	20.2	408.04	34.6	1197.16	25.6	655.36				

COLEONYX VARIEGATUS TEMPS
(BY AGE)

ADULT

x	x^2	x	x^2	x	x^2	x	x^2	x	x^2	x	x^2
34.2	1169.64	29.5	870.25	24.2	585.64	28.0	784.00	21.0	441.00	30.8	948.64
22.4	501.76	31.0	961.00	24.4	595.36	33.0	1089.00	21.6	466.56	29.4	864.36
25.5	650.25	31.0	961.00	24.6	605.16	29.6	876.16	20.4	416.16	28.4	806.56
22.0	484.00	31.2	973.44	21.4	457.96	31.8	1011.24	24.8	615.04	27.2	739.84
31.4	985.96	29.7	882.09	24.8	615.04	29.0	841.00	24.0	576.00	35.8	1281.64
26.0	676.00	27.3	745.29	23.6	556.96	29.6	876.16	26.8	718.24	34.5	1190.25
28.0	784.00	28.2	795.24	24.0	576.00	28.0	784.00	26.0	676.00	33.6	1128.96
29.5	870.25	30.3	918.09	23.0	529.00	26.4	696.96	25.0	625.00	32.0	1024.00
31.0	961.00	26.6	707.56	22.8	519.84	28.0	784.00	24.4	595.36	30.2	912.04
29.0	841.00	34.8	1211.04	21.6	466.56	37.5	1406.25	26.2	686.44	34.2	1169.64
29.4	864.36	21.6	466.56	21.4	457.96	34.0	1156.00	24.4	595.36	36.0	1296.00
29.4	864.36	22.0	484.00	22.2	492.84	32.8	1075.84	24.0	576.00	33.6	1128.96
28.0	784.00	21.2	449.44	21.2	449.44	29.5	870.25	26.0	676.00	32.8	1075.84
27.6	761.76	22.0	484.00	22.2	492.84	30.0	900.00	25.5	650.25	31.4	985.96
29.0	841.00	21.6	466.56	28.6	817.96	32.2	1036.84	26.0	676.00	36.2	1310.44
27.6	761.76	19.9	396.01	30.0	900.00	36.4	1324.96	22.0	484.00	32.5	1056.25
36.0	1296.00	20.7	428.49	30.5	930.25	36.0	1296.00	22.6	510.76	34.5	1190.25
36.4	1324.96	21.0	441.00	28.6	817.96	35.8	1281.64	24.0	576.00	28.5	812.25
35.2	1239.04	18.5	342.25	25.2	635.04	23.0	529.00	24.2	585.64	25.5	650.25
33.9	1149.21	25.5	650.25	29.8	888.04	23.0	529.00	23.0	529.00	25.8	665.64
33.8	1142.44	24.4	595.36	29.7	882.09	20.8	432.64	26.0	676.00	26.0	676.00
33.1	1095.61	23.8	566.44	28.6	817.96	20.2	408.04	22.2	492.84	27.0	729.00
33.5	1122.25	27.2	739.84	30.0	900.00	23.8	566.44	24.0	576.00	25.5	650.25
32.1	1030.41	25.2	635.04	29.3	858.49	23.0	529.00	20.2	408.04	27.0	729.00
31.6	998.56	25.4	645.16	29.0	841.00	20.0	400.00	31.2	973.44	30.8	948.64
29.7	882.09	25.6	655.36	26.7	712.89	28.0	784.00	29.6	876.16	30.4	924.16
27.9	778.41	25.8	665.64	27.2	739.84	26.2	686.44	31.0	961.00	28.0	784.00
36.2	1310.44	25.4	645.16	27.4	750.76	25.2	635.04	30.2	912.04	25.8	665.64
30.4	924.16	26.4	696.96	32.7	1069.29	22.0	484.00	33.0	1089.00	26.4	696.96
28.4	806.56	23.0	529.00	24.0	576.00	22.0	484.00	31.0	961.00	29.0	841.00

COLEONYX *variegatus* TEMPS (BY AGE)

ADULT

x	x^2	x	x^2	x	x^2	x	x^2
24.8	615.04	24.8	615.04	21.8	475.24		
26.8	718.24	23.6	556.96	19.2	368.64		
27.0	729.00	25.0	625.00	27.0	729.00		
25.2	635.04	24.0	576.00	24.2	585.64		
25.8	665.64	24.4	595.36	26.0	676.00		
25.6	655.36	21.0	441.00	26.0	676.00	32.4	
21.9	479.61	24.2	585.64	24.4	595.36	30.0	
19.6	383.16	21.0	441.00	27.6	761.76	30.4	
30.6	936.36	21.0	441.00	24.0	576.00	31.6	
29.0	841.00	19.6	384.16	24.0	576.00	31.0	
29.2	852.64	19.0	361.00	22.6	510.76	29.8	
28.0	784.00	18.4	338.56	23.0	529.00	28.0	
37.0	1369.00	17.2	295.84	23.0	529.00	28.8	829.[illegible]
35.2	1239.04	19.4	376.36	22.8	519.64	29.0	
34.8	1211.04	24.0	576.00	27.4	750.56		
35.0	1225.00	25.0	625.00	27.0	729.00		
35.8	1281.64	26.6	707.56	25.8	665.64		
35.6	1267.36	25.0	625.00	27.0	729.00		
30.6	936.36	25.8	665.64	27.0	729.00		
34.8	1211.04	25.6	655.36	25.6	655.36		
34.8	1211.04	24.8	615.04	28.0	784.00		
31.0	961.00	23.6	556.96	23.2	538.24		
30.2	912.04	24.6	605.16	24.6	605.16		
30.0	900.00	22.0	484.00	26.0	676.00		
29.8	888.04	23.0	529.00	32.0	1024.00		
29.0	841.00	24.8	615.04	22.0	484.00		
34.0	1156.00	23.0	529.00	23.8	[illegible]		
34.6	1197.16	21.2	449.44	20.8	[illegible]		
32.6	1062.76	20.6	424.36	25.6	655.36		
24.8	615.04	21.8	475.24				
24.8	615.04	20.6	424.36				

N = 271

$\Sigma x = 7320.5$

$\Sigma x^2 = 203,214.79$

COLEONYX VARIEGATUS TEMPS
(BY AGE)

IMMATURE

x	x^2	x	x^2	x	x^2	x	x^2	x	x^2	x	x^2
32.0	1024.00										
34.0	1156.00										
37.0	1369.00										
32.6	1062.76										
30.2	912.04										
32.8	1075.84										
33.0	1089.00										
23.0	529.00										
22.6	510.76										
26.6	707.56										
27.4	750.76										
24.0	576.00										
28.0	784.00										
27.4	750.76										

$N = 14$

$\Sigma x = 410.6$

$\Sigma x^2 = 12,297.48$

$\bar{X} = 29.32$

$(\bar{X})^2 = 859.66$

$S^2 = 20.17$

$S.E. = \sqrt{1.44}$

$= 1.20$

COLEONYX variegatus TEMPS
(BY AGE)

JUVENILE

x	x^2	x	x^2	x	x^2	x	x^2	x	x^2	x	x^2

Crotaphytus
wislizeni

Crotaphytus
wislizeni

Crotaphytus *wislizeni* Temps
(by month)

MARCH

X	X^2
36.4	1324.96
37.5	1406.25

$N = 2$

$\sum X = 73.9$

$\sum X^2 = 2731.21$

$\bar{X} = 36.95$

$(\bar{X})^2 = 1365.30$

Crotaphytus wislizeni Temps
(by month)

APRIL

x	x^2	x	x^2
41.0	1681.00		
38.8	1505.44		
39.9	1592.01		
36.8	1354.24		
39.6	1568.16		
36.0	1296.00		
33.4	1115.56		
41.0	1681.00		
42.2	1780.84		

$N = 9$

$\sum x = 348.7$

$\sum x^2 = 13,574.25$

$\bar{X} = 38.744$

$(\bar{X})^2 = 1500.98$

Crotaphytus wislizeni Temps
(by month)

MAY

x	x^2
39.0	1521.00
39.2	1536.64
36.4	1324.96
33.0	1089.00
36.4	1324.96
39.2	1536.64
39.8	1584.04
38.0	1444.00
39.0	1521.00
40.6	1648.36

$N = 10$

$\Sigma x = 380.6$

$\Sigma x^2 = 14530.6$

$\bar{X} = 38.06$

$\bar{X}^2 = 1448.56$

Crotaphytus wislizeni Temps

(by month)

JUNE

x	x^2	x	x^2
39.6	1568.16		
42.2	1780.84		
40.6	1648.36		
36.9	1361.61		
40.0	1600.00		
46.0	2116.00		
41.2	1697.44		
44.6	1989.16		
44.6	1989.16		
42.2	1780.84		
39.5	1560.25		

$N = 11$

$\Sigma x = 457.4$

$\Sigma x^2 = 19{,}041.82$

$\bar{X} = 41.58$

$(\bar{X})^2 = 1728.84$

Crotaphytus wislizeni Temps

(by month)

JULY

x	x^2	x	x^2
38.3	1466.89		
37.4	1398.76		
36.2	1310.44		
41.4	1713.96		
41.6	1730.56		
40.2	1616.04		
40.2	1616.04		
41.0	1681.00		
36.1	1303.21		

$n = 9$

$\Sigma x = 352.4$

$\Sigma x^2 = 13{,}836.9$

$\bar{X} = 39.15$

$(\bar{X})^2 = 1532.72$

Cretaphytus wislizeni Temps
(by month)

AUGUST

x	x^2
39.1	1528.81
40.4	1632.16
35.6	1267.36
36.0	1296.00
38.0	1444.00
37.4	1398.76
39.8	1584.04
41.2	1697.44
41.0	1681.00
40.6	1648.36
~~41.0~~	
39.5	1560.25
38.8	1505.44
38.8	1505.44
39.0	1521.00

N = 14

$\Sigma x = 545.2$

$\Sigma x^2 = 21,270.06$

$\bar{X} = 38.94$

$(\bar{X})^2 = 1516.32$

43.0

Crotaphytus wislizeni Temps
(by month)

SEPTEMBER

x	x^2
37.5	1406.25
37.8	1428.84

$N = 2$

$\Sigma x = 75.3$

$\Sigma x^2 = 2835.09$

$\bar{X} = 37.65$

$\bar{X}^2 = 1417.52$

41.8

39.0

Crotaphytus wislizeni Temps
(by month)
October

x	x^2
38.9	1513.21

$n = 1$

$\Sigma x = 38.9$

$\Sigma x^2 = 1513.21$

$\bar{X} = 38.9$

$\bar{X}^2 = 1513.21$

39.0
42.0

Crotaphytus *wislizeni* Temps
(by sex)

♂

x	x^2	x	x^2
38.3	1466.89		
36.4	1324.96		
38.8	1505.44		
39.9	1592.01		
39.6	1568.16	43.0	
39.0	1521.00	41.8	
39.2	1536.64	39.0	
42.2	1780.84		
40.6	1648.36		
36.9	1361.61		
37.5	1406.25		
41.2	1697.44		
44.6	1989.16		
44.6	1989.16		
41.4	1713.96		
41.6	1730.56		
38.0	1444.00		
39.8	1584.04		
41.0	1681.00		
36.1	1303.21		
43.0	1849.00		
38.8	1505.44		
37.8	1428.84		
36.4	1324.96		
39.0	1521.00		
42.2	1780.84		
39.5	1560.25		

$\bar{X}$ = 39.7[illegible]

$(\bar{X})^2$ = [illegible]

N = 27

Σx = 1073.4

Σx^2 = 42,815.02

Cretaphytus wislizeni Temps

(by sex)

♀

x	x^2	x	x^2
39.1	1528.81	N = 30	
40.4	1632.16	$\sum x$ = 1161.5	
31.5	1406.25	$\sum x^2$ = 45,175.87	
38.9	1513.21	$\bar{X}$ = 38.71	
36.8	1354.24	$(\bar{X})^2$ = [illegible]	
36.0	1296.00		
36.4	1324.96	39.0	
39.6	1568.16	42.0	
37.4	1375.76		
36.2	1310.44		
35.6	1267.36		
33.4	1115.56		
40.0	1600.00		
36.0	1296.00		
33.0	1089.00		
46.0	2116.00		
40.2	1616.04		
40.2	1616.04		
41.0	1681.00		
~~38.0~~			
37.4	1398.76		
41.2	1697.44		
41.0	1681.00		
40.6	1648.36		
42.2	1780.84		
38.8	1505.44		
39.2	1536.64		
39.8	1584.04		
38.0	1444.00		
40.6	1648.36		
39.0	1521.00		

Crotaphytus wislizeni Temps
(by age)

ADULT

X	X^2	X	X^2
41.0	1681.00	44.6	1989.16
38.3	1466.89	41.4	1713.96
39.1	1528.81	41.6	1730.56
40.4	1632.16	40.2	1616.04
37.5	1406.25	40.2	1616.04
38.9	1513.21	41.0	1681.00
36.4	1324.96	38.0	1444.00
38.8	1505.44	37.4	1398.76
39.9	1592.01	39.8	1584.04
36.8	1354.24	41.2	1697.44
39.6	1568.16	41.0	1681.00
36.0	1296.00	40.6	1648.36
39.0	1521.00	41.0	1681.00
39.2	1536.64	42.2	1780.84
36.4	1324.96	39.2	1536.64
39.6	1568.16	39.8	1584.04
42.2	1780.84	38.0	1444.00
40.6	1648.36	39.0	1521.00
36.9	1361.61	40.6	1648.36
37.4	1398.76	42.2	1780.84
36.2	1310.44	39.5	1560.25
35.6	1267.36	39.0	1521.00
33.4	1115.56		
40.0	1600.00		
36.0	1296.00		
37.5	1406.25		
33.0	1089.00		
46.0	2116.00		
41.2	1697.44	43.0	
44.6	1989.16		

$N = 52$

$\Sigma x = 2{,}045.00$

$\Sigma x^2 = 80{,}755.00$

$\bar{X} = 39.32$

$(\bar{X})^2 = 1546.06$

Crotaphytus wislizeni Temps.

(By Age)

Immature

x	x^2	x	x^2
36.4	1324.96		

N = 1

$\Sigma x = 36.4$

$\Sigma x^2 = 1324.96$

$\bar{X} = 36.4$

$\bar{X}^2 = 1324.96$

42.0

Crotaphytus wislizeni Temps

(by age)

JUVENILE

~~ADULT~~

x	x^2	x	x^2
36.1	1303.21		
43.0	1849.00		
38.8	1505.44		
38.8	1505.44		
37.8	1428.84		

$N = 5$

$\sum x = 194.5$

$\sum x^2 = 7591.93$

$\bar{X} = 38.16$

$(\bar{X})^2 = 1513.21$

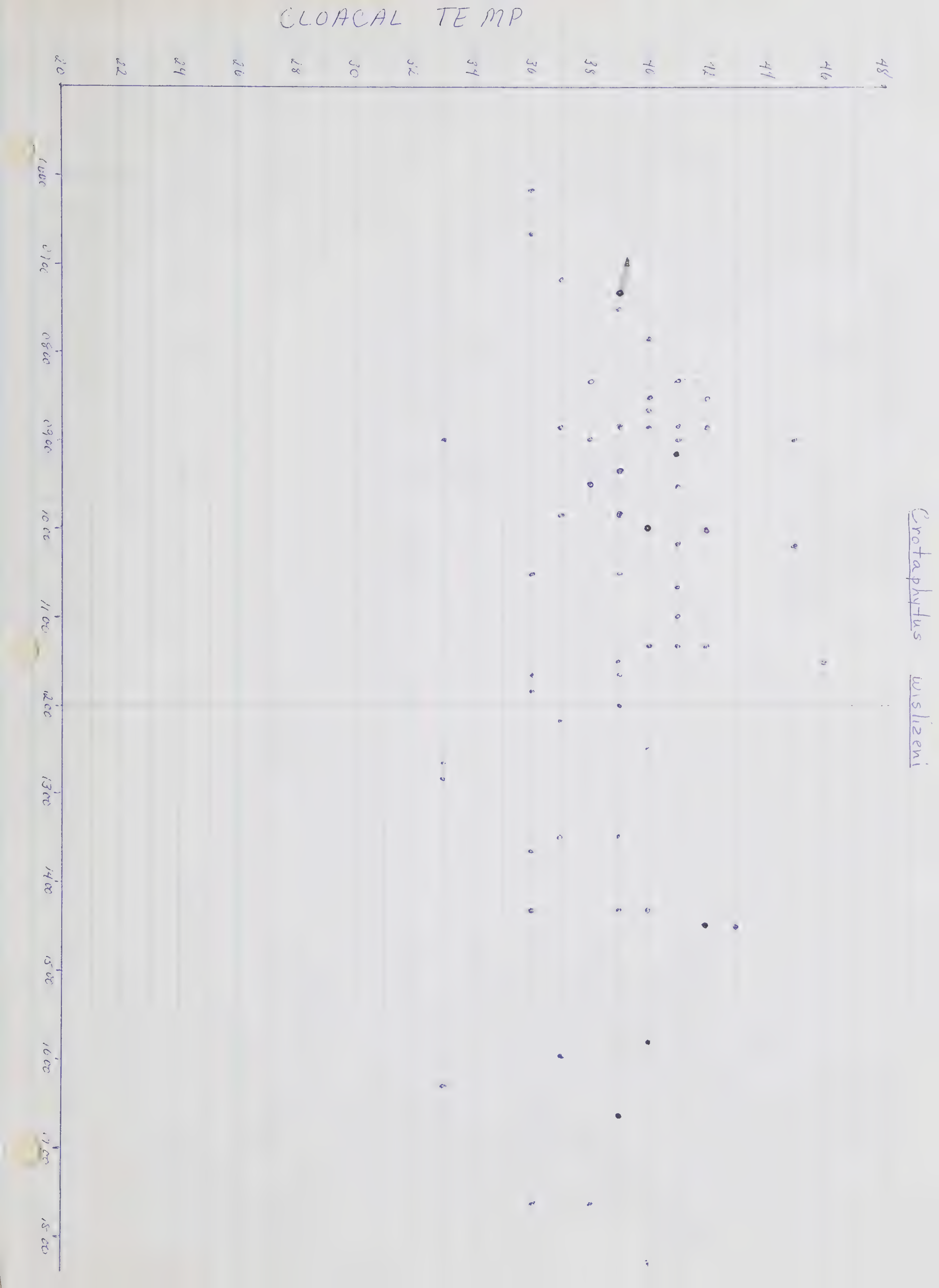
41.8

39.0

39.0

Crotaphytus wislizeni Temps

TEMP(°C)	No. of Animals	No. Chase
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32	||	
33		
34		
35	卌 |||	|||
36	卌 |	|||
37	||||	||
38	卌 卌 卌 |||	卌 |||
39	卌 ||||	卌 ||
40	卌 卌	卌
41	卌	||
42		
43		
44	||	|
45	|	
46		


CLOACAL TEMP
20
22
24
26
28
30
32
34
36
38
40
42
44
46
48
Crotaphytus wislizeni

Time *Crotaphytus* *wislizeni* are active (by month)

TIME	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0500												
0530							I					
0600							I					
0630							II					
0700								II				
0730						I						
0800					I	II	III	II				
0830				I	II	III	I	III	I			
0900					I	I	I		I	I		
0930					I	III	I	I		I		
1000				I	II			II	II			
1030				IIII			I					
1100			I	II	IIII	I		I	I			
1130			I	I	I	I			III			
1200				II		I		I				
1230				I	I					I		
1300			I	I	I							
1330				II	II							
1400					I	I		II		I		
1430				I								
1500					III							
1530				II	I							
1600				I	III							
1630												
1700						I	I	I				
1730												
1800								I				
1830									I			
1900												

Dipsosaurus
dorsalis

IRIS
INSERTABLE
INDEX SETS

I.R. - 13 8½ x 11

"a CEL-U-DEX" PRODUCT.
TRADE MARK

[illegible] [illegible] [illegible] [illegible]

[illegible]

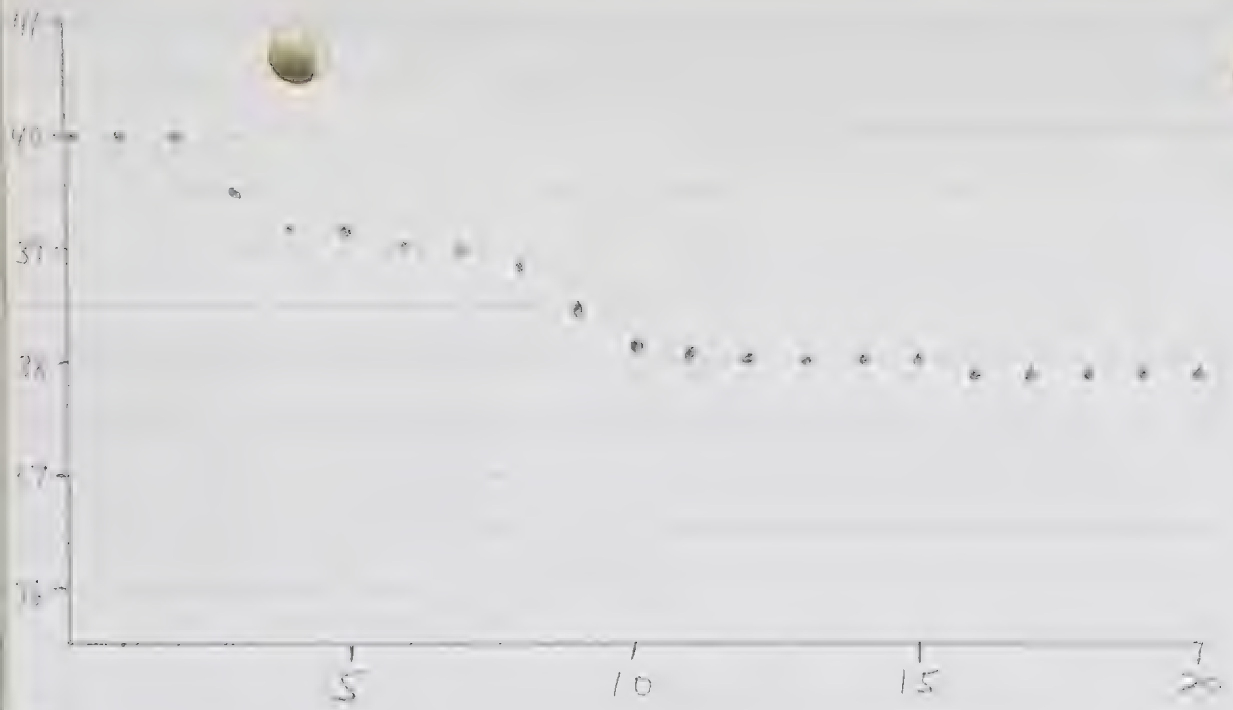
[illegible]

[illegible]		[illegible]	
[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	
[illegible]		[illegible]	
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	
[illegible]		[illegible]	
[illegible]		[illegible]	
[illegible]		[illegible]	
[illegible]		[illegible]	
[illegible]		[illegible]	
[illegible]		[illegible]	
[illegible]		[illegible]	
[illegible]		[illegible]	
[illegible]		[illegible]	
[illegible]		[illegible]	
[illegible]		[illegible]	
[illegible]			
[illegible]			

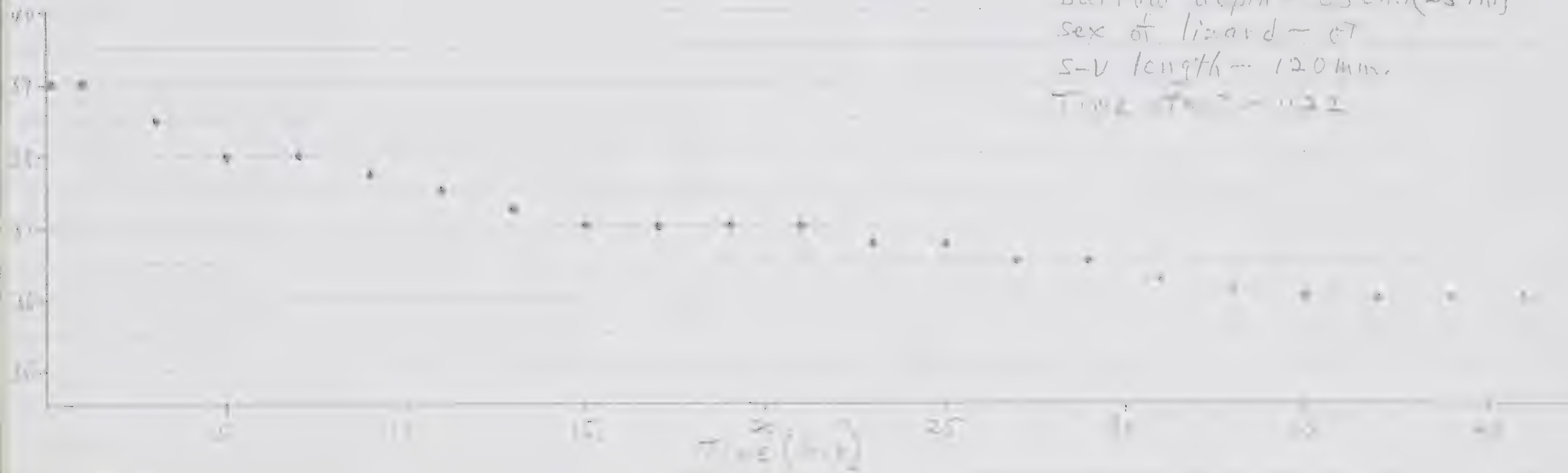
Dipsosaurus dorsalis

Measurements made 3/3/87

Burrow Temp. — 31.8°C
Air Temp (1m) — 38.2°C
Air Temp. (1cm) — 44.8°C
Soil surface Temp. — 52.0°C
Burrow depth — 15cm ([illegible])
Sex of lizard — ♂
S-V length — 122 mm
Time start — 1130



Air Temp (1m) — 37.4°C
Air Temp. (1cm) — 42.0°C
Soil surface Temp. — 62.0°C
Burrow depth — 63cm (25in)
Sex of lizard — ♂
S-V length — 120mm.
Time start — [illegible]



Proportion of *Dipsosaurus* Captured at Different Cloacal Temperatures

(Through Feb. 1963)

Temp. (°C)	Glamis No.	Glamis %	Palm Springs No.	Palm Springs %	Dale Lake No.	Dale Lake %
30	0	0	2	1	0	0
31	0	0	0	0	0	0
32	0	0	1	0	0	0
33	0	0	0	0	0	0
34	1	1	1	0	0	0
35	0	0	0	0	0	0
36	0	0	0	0	1	1
37	1	1	3	1	0	0
38	2	3	8	4	4	4
39	5	8	13	7	9	10
40	9	14	36	20	20	21
41	17	27	41	23	25	27
42	11	17	36	20	17	18
43	8	13	23	13	9	10
44	6	10	10	6	6	6
45	0	0	4	2	3	3
46	2	3	0	0	0	0
47	1	1	0	0	0	0
N	63		178		94	

$\Sigma N = 335$

Dipsosaurus dorsalis Temps.

(By Month)

February

X	X^2
39.4	1552.36

$N = 1$

[illegible]

Dipsosaurus Temps

(Underlined = no chase)

(By Month)

March

x	x²	x	x²	x	x²	x	x²	x	x²	x	x²
38.0	1444.00										
38.5	1482.25										
38.4	1474.56										
40.5	1640.25										
38.2	1459.24										
39.0	1521.00										
38.4	1474.56										
39.0	1521.00										
39.5	1560.25										
39.5	1560.25										
40.4	1632.16										
38.9	1513.21										
37.0	1369.00										
41.0	1681.00										
38.4	1474.56										

$N = 15$

$\Sigma x = 584.7$

$\Sigma x^2 = 22,807.29$

$\bar{x} = 38.98$

$\bar{x}^2 = 1519.44$

$s^2 = 1.12$

$s_{\bar{x}} = \sqrt{.075}$

$= .274$

Dipsosaurus Temps
(By Month)
April

X	X^2	X	X^2	X	X^2	X	X^2	X	X^2	X	X^2
39.2	1536.64	39.8	1584.04	43.0	1849.00	37.6	1413.76				
38.0	1444.00	39.0	1521.00	41.0	1681.00	43.0	1849.00				
29.6	876.16	39.5	1560.25	41.2	1697.44	40.0	1600.00				
39.5	1560.25	41.8	1747.24	40.0	1600.00	40.0	1600.00				
40.0	1600.00	40.5	1640.25	38.4	1474.56	40.8	1664.64				
38.2	1459.24	37.0	1369.00	39.8	1584.04	39.4	1552.36				
38.2	1459.24	42.0	1764.00	39.6	1568.16	41.0	1681.00				
39.2	1536.64	38.4	1474.56	40.1	1608.01	41.8	1747.24				
38.6	1489.96	39.5	1560.25	40.4	1632.16	44.2	1953.64				
42.0	1764.00	38.0	1444.00	40.5	1640.25	35.8	1281.64				
39.7	1576.09	42.4	1797.76	39.6	1568.16	40.0	1600.00				
40.0	1600.00	38.6	1489.96	35.9	1288.81	39.6	1568.16				
42.0	1764.00	39.0	1521.00	40.5	1640.25	42.2	1780.84				
41.7	1738.89	42.2	1780.84	39.4	1552.36	40.6	1648.36				
42.8	1831.84	42.8	1831.84	41.2	1697.44	35.4	1253.16				
41.8	1747.24	39.4	1552.36	42.0	1764.00	42.4	1797.76				
41.5	1722.25	41.5	1722.25	41.0	1681.00	39.0	1521.00				
41.5	1722.25	41.0	1681.00	40.0	1600.00	36.0	1296.00				
43.0	1849.00	37.0	1369.00	40.4	1632.16	42.6	1814.76				
39.4	1552.36	39.0	1521.00	40.4	1632.16	42.2	1780.84				
40.4	1632.16	41.4	1713.96	40.6	1648.36	42.6	1814.76				
39.7	1576.09	41.8	1747.24	42.0	1764.00						
39.3	1544.49	39.2	1536.64	41.0	1681.00						
41.7	1738.89	41.0	1681.00	40.4	1632.16						
40.9	1672.81	41.2	1697.44	37.5	1406.25						
40.0	1600.00	38.4	1474.56	40.8	1664.64						
41.8	1747.24	40.0	1600.00	41.6	1730.56						
41.4	1713.96	40.8	1664.64	40.2	1616.04						
40.0	1600.00	40.6	1648.36	39.6	1568.16						
40.8	1664.64	43.2	1866.24	34.2	1169.64						

N = 111

Σx = [illegible]

Σx^2 = [illegible]

$\bar{X}$ = 4[illegible]

$(\bar{X})^2$ = [illegible]

$s^2 = 4.81$

$s_{\bar{x}} = \sqrt{[illegible]}$

= .207

DIPSOSAURUS TEMPS
(BY MONTH)

MAY

x	x^2	x	x^2	x	x^2	x	x^2	x	x^2	x	x^2
40.6	1648.36	43.1	1857.64								
38.4	1474.56	41.0	1681.00								
39.5	1560.25	40.7	1656.49								
40.6	1648.36	42.1	1772.41								
42.2	1780.84	40.7	1656.49								
41.2	1697.44	38.5	1482.25								
40.8	1664.64	41.6	1730.56								
39.8	1584.04	39.6	1568.16								
38.0	1444.00	41.4	1713.96								
42.8	1831.84	42.8	1831.84								
39.8	1584.04	39.0	1521.00								
40.6	1648.36	37.6	1413.76								
43.4	1883.56	39.0	1521.00								
40.2	1616.04	41.5	1722.25								
41.2	1697.44	41.8	1747.25								
40.0	1600.00	41.0	1681.00								
39.2	1536.64	41.5	1722.25								
40.7	1656.49	41.8	1747.24								
40.1	1608.01	37.4	1398.76								
43.7	1909.69	41.0	1681.00								
33.6	1128.96	38.6	1489.96								
40.4	1632.16	41.2	1697.44								
40.8	1664.64	41.2	1697.44								
47.0	2209.00	40.0	1600.00								
44.0	1936.00	39.8	1584.04								
39.4	1552.36	42.0	1764.00								
31.6	998.56	38.6	1489.96								
30.0	900.00	38.6	1489.96								
39.4	1552.36	36.1	1303.21								
41.2	1697.44	40.0	1600.00								
42.6	1814.76	39.4	1552.36								

$N = 62$

$\Sigma x = 2491.4$

$\Sigma x^2 = 102{,}485.$[illegible]

$\bar{x} =$ [illegible]

$\bar{x}^2 =$ [illegible]

$s^2 = 6.41$

$S.E. = \sqrt{.1}$[illegible]

$= .321$

DIPSOSAURUS TEMPS
(BY MONTH)

JUNE

x	x^2	x	x^2	x	x^2	x	x^2	x	x^2	x	x^2
42.1	1772.41	37.4	1398.76	38.6	1489.96	45.0	2025.00				
41.0	1681.00	40.2	1616.04	37.0	1369.00	41.8	1747.24				
41.2	1697.44	39.6	1568.16	40.6	1648.36	44.6	1989.16				
43.0	1849.00	40.6	1648.36	41.6	1730.56	45.6	2079.36				
40.2	1616.04	40.6	1648.36	38.2	1459.24	44.6	1989.16				
41.0	1681.00	42.2	1780.84	42.0	1764.00	35.2	1239.04				
39.4	1552.36	41.4	1713.96	40.2	1616.04	36.8	1354.24				
41.4	1713.96	43.2	1866.24	40.5	1640.25	40.3	1624.09				
40.6	1648.36	42.8	1831.84	42.0	1764.00	39.3	1544.49				
41.0	1681.00	40.8	1664.64	42.0	1764.00	40.4	1632.16				
42.0	1764.00	41.6	1730.56	41.5	1722.25						
40.5	1640.25	42.4	1797.76	43.4	1883.56						
39.8	1584.04	40.8	1664.64	42.0	1764.00						
41.2	1697.44	40.4	1632.16	41.6	1730.56						
43.0	1849.00	40.0	1600.00	37.0	1369.00						
40.8	1664.64	39.6	1568.16	41.4	1713.96						
39.6	1568.16	41.2	1697.44	41.4	1713.96						
42.6	1814.76	41.8	1747.24	42.4	1797.76						
41.4	1713.96	41.2	1697.44	41.0	1681.00						
38.6	1489.96	41.2	1697.44	41.8	1747.24						
41.9	1755.61	41.4	1713.96	43.6	1900.96						
41.0	1681.00	42.4	1797.76	38.0	1444.00						
40.5	1640.25	39.8	1584.04	40.0	1600.00						
40.2	1616.04	41.4	1713.96	42.2	1780.84						
42.6	1814.76	40.7	1656.49	42.2	1780.84						
41.0	1681.00	43.6	1900.96	41.5	1722.25						
41.6	1730.56	45.2	2043.04	40.5	1640.25						
39.5	1560.25	40.4	1632.16	39.5	1560.25						
41.8	1747.24	40.0	1600.00	43.0	1849.00						
41.8	1747.24	42.0	1764.00	43.4	1883.56						
40.6	1648.36	42.0	1764.00	42.2	1280.84						

N = [illegible]
Σx = [illegible]
Σx^2 = [illegible]
$\bar{X}$ = 41.13
$(\bar{X})^2$ = [illegible]
S^2 = [illegible]
S.E. = $\sqrt{[illegible]}$
= .179

DIPSOSAURUS TEMPS
(BY MONTH)

JULY

x	x^2	x	x^2	x	x^2	x	x^2	x	x^2	x	x^2
42.0	1764.00	41.0	1681.00	43.4	1883.56						
43.0	1849.00	41.8	1747.24	41.6	1730.56						
39.8	1584.04	44.1	1944.81	42.0	1764.00						
41.4	1713.96	42.8	1831.84	44.0	1936.00						
42.8	1831.84	41.4	1713.96	40.8	1664.64						
42.0	1764.00	39.2	1536.64	39.8	1584.04						
43.0	1849.00	40.0	1600.00	44.8	2007.04						
43.7	1909.69	40.2	1616.04	43.6	1900.96						
43.8	1918.44	42.0	1764.00	43.4	1883.56						
38.1	1451.61	42.8	1831.84	44.5	1980.25						
43.6	1900.96	40.5	1640.25	42.8	1831.84						
44.7	1998.09	40.6	1648.36	44.0	1936.00						
43.5	1892.25	40.2	1616.04	43.6	1900.96						
43.2	1866.24	41.8	1747.24								
43.6	1900.96	42.0	1764.00								
42.0	1764.00	41.5	1722.25								
44.6	1989.16	42.8	1831.84								
40.8	1664.64	40.8	1664.64								
44.0	1936.00	42.5	1806.25								
40.1	1608.01	42.4	1797.76								
38.8	1505.44	43.7	1909.69								
41.6	1730.56	44.5	1980.25								
41.8	1747.24	44.8	2007.04								
43.2	1866.24	44.8	2007.04								
44.2	1953.64	43.8	1918.44								
42.7	1823.29	39.4	1552.36								
40.0	1600.00	41.6	1730.56								
41.0	1681.00	42.6	1814.76								
40.0	1600.00	41.0	1681.00								
40.8	1664.64	41.0	1681.00								
42.4	1797.76	41.9	1755.61								

$N = 75$

$\Sigma x = 3164.00$

$\Sigma x^2 = 133,$ [illegible]

$\bar{X} = 4$[illegible]

$(\bar{X})^2 = 177$[illegible]

[illegible] $= 3.$[illegible]

$S.E. = \sqrt{.043}$

$= .207$

DIPSOSAURUS TEMPS

(BY MONTH)

AUGUST

x	x^2	x	x^2	x	x^2	x	x^2	x	x^2	x	x^2
40.6	1648.36	41.2	1697.44	42.0	1764.00						
40.2	1616.04	41.1	1689.21	41.6	1730.56						
40.0	1600.00	41.9	1755.61	43.0	1849.00						
41.9	1755.61	40.9	1672.81	40.2	1616.04						
42.2	1780.84	41.4	1713.96	42.2	1780.84						
37.5	1406.25	39.4	1552.36	39.0	1521.00						
42.0	1764.00	40.0	1600.00	41.2	1697.44						
40.2	1616.04	43.8	1918.44	42.0	1764.00						
43.0	1849.00	44.2	1953.64	$N = 68$							
39.6	1568.16	43.4	1883.56	$\Sigma x = 2847.1$							
43.7	1909.69	41.7	1738.89	$\Sigma x^2 = 119{,}381.45$							
44.6	1989.16	41.6	1730.56	$\bar{X} =$ 41.8[illegible]							
42.2	1780.84	42.0	1764.00	$(\bar{X})^2 =$ 1752.25							
40.6	1648.36	43.8	1918.44	$S^2 =$ 3.[illegible]							
46.0	2116.00	41.3	1705.69	s.E. = $\sqrt{}$[illegible]							
44.0	1936.00	41.4	1713.96	= .224							
44.0	1936.00	42.0	1764.00								
46.0	2116.00	41.3	1705.69								
43.0	1849.00	40.8	1664.64								
39.4	1552.36	42.8	1831.84								
40.8	1664.64	44.0	1936.00								
41.2	1697.44	41.0	1681.00								
42.6	1814.76	42.6	1814.76								
40.0	1600.00	41.5	1722.25								
41.2	1697.44	39.9	1592.01								
41.3	1705.69	44.0	1936.00								
42.8	1831.84	43.0	1849.00								
42.4	1797.76	44.0	1936.00								
40.2	1616.04	42.5	1806.25								
43.2	1866.24	41.0	1681.00								

DIPSOSAURUS TEMPS
(BY MONTH)

SEPTEMBER

x	x^2	x	x^2	x	x^2	x	x^2	x	x^2	x	x^2
41.4	1713.96	43.0	1849.00								
43.0	1849.00	43.6	1900.96								
42.0	1764.00										
41.4	1713.96										
41.8	1747.24										
36.0	1296.00										
38.0	1444.00										
44.0	1936.00										
43.5	1892.25										
42.0	1764.00										
43.0	1849.00										
41.6	1730.56										
40.6	1648.36										
38.5	1482.25										
42.0	1764.00										
42.0	1764.00										
39.8	1584.04										
41.8	1747.24										
43.0	1849.00										
41.0	1681.00										
40.8	1664.64										
43.2	1866.24										
41.0	1681.00										
43.4	1883.56										
44.0	1936.00										
43.8	1918.44										
42.2	1780.84										
42.0	1764.00										
42.0	1764.00										
42.0	1764.00										
43.4	1883.56										

$N = 33$

$\Sigma x = 1380.8$

$\Sigma x^2 = 57,$[illegible]

$\bar{X} = 41.84$

$(\bar{X})^2 = 1750.5$[illegible]

$S^2 = 3.34$

$S.E. = \sqrt{.101}$

$= .318$

DIPSOSAURUS TEMPS
(BY MONTH)

OCTOBER

x	x^2	x	x^2	x	x^2	x	x^2	x	x^2	x	x^2
39.2	1536.64										
38.0	1444.00										
39.0	1521.00										

$N = 3$

$\Sigma x = 116.2$

$\Sigma x^2 = 4501.64$

$\bar{X} = 38.73$

$(\bar{X})^2 = 1500.31$

DIPSOSAURUS TEMPS
(BY SEX)

♂

x	x²	x	x²	x	x²	x	x²	x	x²	x	x²
40.2	1616.04	38.5	1482.25	39.7	1576.09	38.4	1474.56	41.4	1713.96	40.4	1632.16
40.0	1600.00	42.0	1764.00	40.0	1600.00	39.8	1584.04	39.0	1521.00	39.6	1568.16
42.2	1780.84	42.0	1764.00	42.0	1764.00	39.6	1568.16	37.6	1413.76	41.2	1697.44
37.5	1406.25	39.8	1584.04	41.8	1747.24	40.4	1632.16	39.0	1521.00	41.8	1747.24
42.0	1764.00	41.8	1747.24	41.5	1722.25	39.6	1568.16	41.4	1713.96	41.2	1697.44
39.6	1568.16	39.4	1552.36	39.4	1552.36	40.5	1640.25	41.0	1681.00	41.2	1697.44
43.7	1909.69	40.8	1664.64	40.4	1632.16	39.4	1552.36	42.0	1764.00	41.4	1713.96
42.2	1780.84	29.6	876.16	39.7	1576.09	41.2	1697.44	40.5	1640.25	42.4	1797.76
40.6	1648.36	39.4	1552.36	39.3	1544.49	40.0	1600.00	39.8	1584.04	39.8	1584.04
39.2	1536.64	39.8	1584.04	41.7	1738.89	40.4	1632.16	40.8	1664.64	41.4	1713.96
39.5	1560.25	41.4	1713.96	40.9	1672.81	41.0	1681.00	39.6	1568.16	40.7	1656.49
40.6	1648.36	43.0	1849.00	41.8	1747.24	40.4	1632.16	41.4	1713.96	43.6	1900.96
42.1	1772.41	43.7	1909.69	41.4	1713.96	37.5	1406.25	38.6	1489.96	40.6	1648.36
42.2	1780.84	43.8	1918.44	39.0	1521.00	40.8	1664.64	41.9	1755.61	40.0	1600.00
41.0	1681.00	38.1	1451.61	39.5	1560.25	38.0	1444.00	41.0	1681.00	42.0	1764.00
41.2	1697.44	43.6	1900.96	41.8	1747.24	42.8	1831.84	40.5	1640.25	38.6	1489.96
43.0	1849.00	44.7	1998.09	40.5	1640.25	39.8	1584.04	40.2	1616.04	37.0	1369.00
40.2	1616.04	43.2	1866.24	37.0	1369.00	43.4	1883.56	42.6	1814.76	41.6	1730.56
41.0	1681.00	42.0	1764.00	38.4	1474.56	40.2	1616.04	41.0	1681.00	44.0	1936.00
43.0	1849.00	44.6	1989.16	39.0	1521.00	39.2	1536.64	41.6	1730.56	40.1	1608.01
46.0	2116.00	42.6	1814.76	41.4	1713.96	40.4	1632.16	39.5	1560.25	41.6	1730.56
44.0	1936.00	41.2	1697.44	41.8	1747.24	40.8	1664.64	41.8	1747.24	44.2	1953.64
44.0	1936.00	42.8	1831.84	39.2	1536.64	39.4	1552.36	40.6	1648.36	42.7	1823.29
43.0	1849.00	42.4	1797.76	41.0	1681.00	39.4	1552.36	37.4	1398.76	40.0	1600.00
39.0	1521.00	40.2	1616.04	41.2	1697.44	41.0	1681.00	40.2	1616.04	40.8	1664.64
38.2	1459.24	43.0	1849.00	38.4	1474.56	40.7	1656.49	40.6	1648.36	41.0	1681.00
38.4	1474.56	38.9	1513.21	40.0	1600.00	42.1	1772.41	40.6	1648.36	41.8	1747.24
39.0	1521.00	39.5	1560.25	40.6	1648.36	40.7	1656.49	41.4	1713.96	44.1	1944.81
39.5	1560.25	38.2	1459.24	43.2	1866.24	38.5	1482.25	43.2	1866.24	42.8	1831.84
39.5	1560.25	38.2	1459.24	41.0	1681.00	41.6	1730.56	42.8	1831.84	40.9	1672.81
40.4	1632.16	39.2	1536.64	40.0	1600.00	39.6	1568.16	41.6	1730.56	39.4	1552.36

DIPSOSAURUS TEMPS
(BY SEX)

♂

x	x^2	x	x^2	x	x^2	x	x^2	x	x^2	x	x^2
40.8	1664.64	40.6	1648.36	42.6	1814.76						
40.2	1616.04	40.2	1616.04	41.5	1722.25						
39.6	1568.16	42.0	1764.00	39.9	1592.01						
37.6	1413.76	42.8	1831.84	43.0	1849.00						
40.0	1600.00	40.8	1664.64	40.2	1616.04						
37.4	1398.76	42.5	1806.25	42.2	1780.84						
41.5	1722.25	43.7	1909.69	41.2	1697.44						
42.0	1764.00	44.5	1980.25	42.2	1780.84						
42.0	1764.00	44.8	2007.04	42.0	1764.00						
41.5	1722.25	41.6	1730.56	42.0	1764.00						
43.4	1883.56	42.6	1814.76	42.0	1764.00						
41.6	1730.56	41.0	1681.00	43.6	1900.96						
37.0	1369.00	41.9	1755.61	38.4	1474.56						
41.4	1713.96	43.4	1883.56	41.0	1681.00						
41.4	1713.96	41.6	1730.56	35.8	1281.64						
42.4	1797.76	44.0	1936.00	40.0	1600.00						
38.0	1444.00	40.8	1664.64	40.6	1648.36						
40.0	1600.00	39.8	1584.04	35.4	1253.16						
42.2	1780.84	43.6	1900.96	42.4	1797.76						
41.5	1722.25	44.5	1980.25	42.6	1814.76						
40.5	1640.25	44.0	1936.00	41.2	1697.44						
39.5	1560.25	43.6	1900.96	39.8	1584.04						
43.0	1849.00	44.2	1953.64	42.0	1764.00						
43.4	1883.56	43.4	1883.56	38.6	1489.96						
42.2	1780.84	41.6	1730.56	38.6	1489.96						
45.0	2025.00	42.0	1764.00	39.4	1552.36						
41.8	1747.24	41.4	1713.96	35.2	1239.04						
44.6	1989.16	40.8	1664.64	36.8	1354.24						
40.2	1616.04	42.8	1831.84	40.4	1632.16						
42.0	1764.00	44.0	1936.00								
42.8	1831.84	41.0	1681.00								

$N = 277$

$\Sigma x = 11,334.8$

$\Sigma x^2 = 465,262.63$

$\bar{X} =$ [illegible]

$(\bar{X})^2 =$ [illegible]

$s^2 =$ [illegible]

$S.E. = \sqrt{.016}$

$= .12$[illegible]

DIPSOSAURUS TEMPS
(BY SEX)

♀

x	x^2	x	x^2	x	x^2	x	x^2	x	x^2	x	x^2
40.2	1616.04	43.0	1849.00	39.6	1568.16	41.8	1747.24	41.0	1681.00		
43.0	1849.00	41.2	1697.44	42.2	1780.84	43.6	1900.96	40.0	1600.00		
44.6	1989.16	40.1	1608.01	42.4	1797.76	42.2	1780.84	39.6	1568.16		
43.0	1849.00	40.5	1640.25	40.8	1664.64	45.6	2079.36	42.2	1780.84		
41.2	1697.44	35.9	1288.81	45.2	2043.04	44.6	1989.16	42.2	1780.84		
42.0	1764.00	42.0	1764.00	42.0	1764.00	41.4	1713.96	42.6	1814.76		
46.0	2116.00	41.0	1681.00	40.6	1648.36	40.0	1600.00	41.2	1697.44		
40.5	1640.25	40.4	1632.16	38.2	1459.24	40.5	1640.25	40.0	1600.00		
39.0	1521.00	40.6	1648.36	42.0	1760.00	41.8	1747.24	36.1	1303.21		
41.2	1697.44	42.0	1764.00	38.8	1504.44	41.5	1722.25	40.0	1600.00		
43.0	1849.00	39.8	1584.04	41.8	1747.24	42.4	1797.76	40.3	1624.09		
42.8	1831.84	40.6	1648.36	43.2	1866.24	44.8	2007.04	39.3	1544.49		
42.0	1764.00	41.2	1697.44	42.4	1797.76	43.8	1918.44				
43.5	1892.25	40.0	1600.00	43.2	1866.24	39.4	1552.36				
43.6	1900.96	40.7	1656.49	41.2	1697.44	41.0	1681.00				
40.8	1664.64	40.1	1608.01	41.1	1689.21	42.0	1764.00				
40.0	1600.00	43.7	1909.69	41.9	1755.61	44.8	2007.04				
41.3	1705.69	33.6	1128.96	41.4	1713.96	43.4	1883.56				
40.0	1600.00	47.0	2209.00	40.0	1600.00	42.8	1831.84				
38.6	1489.96	44.0	1936.00	43.8	1918.44	41.7	1738.89				
42.0	1764.00	31.6	998.56	41.6	1730.56	43.8	1918.44				
41.7	1738.89	30.0	900.00	34.2	1169.64	44.0	1936.00				
42.8	1831.84	41.2	1697.44	43.0	1849.00	44.0	1936.00				
41.5	1722.25	42.6	1814.76	41.0	1681.00	42.5	1806.25				
43.0	1849.00	43.1	1857.61	41.8	1747.24	41.0	1681.00				
40.0	1600.00	42.8	1831.84	41.0	1681.00	42.0	1764.00				
40.0	1600.00	40.6	1648.36	41.5	1722.25	41.6	1730.56				
40.8	1664.64	41.2	1697.44	41.8	1747.24	39.0	1521.00				
39.8	1584.04	43.0	1849.00	40.2	1616.04	42.0	1764.00				
42.0	1764.00	42.6	1814.76	40.5	1640.25	43.4	1883.56				
40.8	1664.64	41.8	1747.24	41.0	1681.00	43.0	1849.00				

N = 136

Σx = 5627.[illegible]

Σx^2 = [illegible]

$\bar{X}$ = [illegible]

$(\bar{X})^2$ = 1711.30

s^2 = 5.5[illegible]

S.E. [illegible]

= .202

DIPSOSAURUS TEMPS

(BY AGE)

ADULT

x	x^2	x	x^2	x	x^2	x	x^2	x	x^2	x	x^2
42.2	1780.84	38.4	1474.56	41.5	1722.25	40.00	1600.00	40.4	1632.16	41.9	1755.61
37.5	1406.25	39.0	1521.00	43.0	1849.00	38.4	1474.56	40.8	1664.64	41.0	1681.00
42.0	1764.00	39.5	1560.25	39.4	1552.36	39.8	1584.04	44.0	1936.00	40.5	1640.25
40.2	1616.04	39.5	1560.25	39.7	1576.09	39.6	1568.16	39.4	1552.36	40.2	1616.04
43.0	1849.00	40.4	1632.16	39.3	1544.49	40.1	1608.01	31.6	998.56	42.6	1814.76
39.6	1568.16	39.4	1552.36	41.7	1738.89	40.4	1632.16	30.0	900.00	41.0	1681.00
43.7	1909.69	40.8	1664.64	40.9	1672.81	40.5	1640.25	39.4	1552.36	41.6	1730.56
44.6	1989.16	41.2	1697.44	40.0	1600.00	39.6	1568.16	41.2	1697.44	39.5	1560.25
42.2	1780.84	43.0	1849.00	41.8	1747.24	35.9	1288.81	42.6	1814.76	41.8	1747.24
40.6	1648.36	29.6	876.16	41.4	1713.96	40.5	1640.25	43.1	1857.61	41.8	1747.24
42.1	1772.41	39.4	1552.36	40.0	1600.00	41.2	1697.44	41.0	1681.00	40.6	1648.36
43.0	1849.00	39.8	1584.04	40.8	1664.64	42.0	1764.00	40.7	1656.49	40.2	1616.04
42.2	1780.84	43.7	1909.69	39.8	1584.04	41.0	1681.00	40.7	1656.49	39.6	1568.16
41.2	1697.44	38.1	1451.61	40.5	1640.25	40.4	1632.16	38.5	1482.25	40.6	1648.36
41.0	1681.00	44.6	1989.16	41.8	1747.24	40.4	1632.16	41.6	1730.56	40.6	1648.36
41.2	1697.44	40.8	1664.64	39.5	1560.25	40.6	1648.36	39.6	1568.16	42.2	1780.84
43.0	1849.00	40.0	1600.00	39.0	1521.00	42.0	1764.00	41.4	1713.96	41.4	1713.96
40.2	1616.04	42.8	1831.84	39.0	1521.00	41.0	1681.00	42.8	1831.84	42.8	1831.84
41.0	1681.00	42.4	1797.76	41.4	1713.96	40.4	1632.16	39.0	1521.00	41.6	1730.56
42.0	1764.00	40.2	1616.04	41.8	1747.24	40.8	1664.64	37.6	1413.76	40.8	1664.64
43.0	1849.00	43.0	1849.00	39.2	1536.64	39.8	1584.04	39.0	1521.00	40.4	1632.16
43.0	1849.00	38.9	1513.21	41.0	1681.00	42.8	1831.84	40.6	1648.36	40.0	1600.00
38.5	1482.25	39.5	1560.25	41.2	1697.44	39.8	1584.04	42.0	1764.00	39.6	1568.16
42.0	1764.00	40.00	1600.00	38.4	1474.56	40.6	1648.36	40.5	1640.25	41.2	1697.44
42.0	1764.00	38.2	1459.24	40.0	1600.00	43.4	1883.56	39.8	1584.04	41.8	1747.24
40.5	1640.25	39.2	1536.64	40.8	1664.64	40.2	1616.04	43.0	1849.00	41.2	1697.44
39.8	1584.04	39.7	1576.09	40.6	1648.36	40.0	1600.00	40.8	1664.64	41.4	1713.96
41.8	1747.24	40.0	1600.00	43.2	1866.24	39.2	1536.64	39.6	1568.16	42.4	1797.76
39.0	1521.00	41.7	1738.89	43.0	1849.00	40.7	1656.49	42.6	1814.76	39.8	1584.04
38.2	1459.24	41.8	1747.24	41.0	1681.00	43.7	1909.69	41.4	1713.96	41.4	1713.96
39.0	1521.00	41.5	1722.25	41.2	1697.44	33.6	1128.96	38.6	1489.96	40.7	1656.49

DIPSOSAURUS TEMPS
(BY AGE)
ADULT

x	x^2	x	x^2	x	x^2	x	x^2	x	x^2	x	x^2
43.6	1900.96	39.4	1552.36	40.2	1616.04	42.0	1764.00	41.2	1697.44		
45.2	2043.04	40.0	1600.00	42.0	1764.00	41.3	1705.69	41.2	1697.44		
40.0	1600.00	43.8	1918.44	42.8	1831.84	40.8	1664.64	40.0	1600.00		
42.0	1764.00	40.8	1664.64	40.6	1648.36	42.8	1831.84	39.8	1584.04		
42.0	1764.00	41.6	1730.56	40.2	1616.04	41.0	[illegible]	38.6	1489.96		
38.6	1489.96	40.2	1616.04	41.8	1747.24	42.6	1814.76	35.2	1239.04		
37.0	1369.00	34.2	1169.64	42.0	1764.00	41.5	1722.25				
40.6	1648.36	37.6	1413.76	41.5	1722.25	43.0	1849.00				
41.6	1730.56	40.0	1600.00	40.8	1664.64	44.0	1936.00				
38.2	1459.24	41.5	1722.25	42.5	1806.25	42.0	1764.00				
42.0	1764.00	41.8	1747.24	42.4	1797.76	41.6	1730.56				
44.0	1936.00	41.0	1681.00	43.7	1909.69	39.0	1521.00				
40.1	1608.01	41.5	1722.25	44.5	1980.25	41.2	1697.44				
38.8	1505.44	41.8	1747.24	44.8	2007.04	42.0	1764.00				
41.6	1730.56	40.2	1616.04	44.8	2007.04	42.0	1764.00				
41.8	1747.24	40.5	1640.25	43.8	1918.44	42.0	1764.00				
43.2	1866.24	42.0	1764.00	39.4	1552.36	42.0	1764.00				
44.2	1953.64	42.0	1764.00	42.6	1814.76	43.4	1883.56				
42.7	1823.29	41.5	1722.25	41.0	1681.00	43.0	1849.00				
40.0	1600.00	43.4	1883.56	42.0	1764.00	43.6	1900.96				
41.0	1681.00	41.4	1713.96	44.0	1936.00	38.4	1474.56				
40.0	1600.00	42.4	1797.76	43.4	1883.56	40.0	1600.00				
40.8	1664.64	41.0	1681.00	41.6	1730.56	35.8	1281.64				
41.0	1681.00	41.8	1747.24	40.8	1664.64	39.6	1568.16				
41.8	1747.24	43.6	1900.96	39.8	1584.04	42.2	1780.84				
43.2	1866.24	38.0	1444.00	44.8	2007.04	40.6	1648.36				
41.2	1697.44	42.2	1780.84	43.4	1883.56	35.4	1253.16				
41.1	1689.21	43.0	1849.00	44.0	1936.00	42.4	1797.76				
41.9	1755.61	45.0	2025.00	43.6	1900.96	39.0	1521.00				
40.9	1672.81	41.4	1713.96	42.0	1764.00	42.2	1780.84				
41.4	1713.96	40.0	1600.00	41.4	1713.96	42.6	1814.76				

N = [illegible]
Σx = [illegible]
$\bar{X}$ = [illegible]
S.E. = [illegible]

Total [illegible]

$\bar{X}$ = 41.[illegible]

DIPSOSAURUS TEMPS

(BY AGE)

IMMATURE

x	x^2	x	x^2	x	x^2	x	x^2	x	x^2	x	x^2
39.4	1552.36	40.5	1640.25	43.0	1849.00	44.5	1980.25	40.3	1624.09		
40.0	1600.00	39.5	1560.25	43.8	1918.44	42.8	1831.84	39.3	1544.49		
37.5	1406.25	43.4	1883.56	43.6	1900.96	44.2	1953.64	40.4	1632.16		
38.0	1444.00	42.2	1780.84	44.7	1998.09	43.4	1883.56				
41.2	1697.44	41.8	1747.24	43.5	1892.25	41.7	1738.89				
40.1	1608.01	44.6	1989.16	43.2	1866.24	41.6	1730.56				
47.0	2209.00	45.6	2079.36	43.6	1900.96	43.8	1918.44				
42.1	1772.41	44.6	1989.16	42.0	1764.00	44.0	1936.00				
41.4	1713.96	39.2	1536.64	42.6	1814.76	39.9	1592.01				
41.0	1681.00	42.8	1831.84	41.2	1697.44	44.0	1936.00				
41.2	1697.44	40.5	1640.25	41.3	1705.69	42.5	1806.25				
37.4	1398.76	40.0	1600.00	38.2	1459.24	41.0	1681.00				
43.2	1866.24	39.2	1536.64	38.6	1489.96	43.0	1849.00				
40.8	1664.64	38.0	1444.00	42.0	1764.00	40.2	1616.04				
42.4	1797.76	40.6	1648.36	42.0	1764.00	42.2	1780.84				
41.2	1697.44	38.4	1474.56	42.8	1831.84	42.2	1780.84				
40.4	1632.16	39.5	1560.25	40.4	1632.16	43.4	1883.56				
42.4	1797.76	40.6	1648.36	37.0	1369.00	41.0	1681.00				
44.1	1944.81	44.0	1936.00	42.0	1764.00	40.8	1664.64				
42.8	1831.84	43.0	1849.00	38.4	1474.56	39.4	1552.36				
39.6	1568.16	41.6	1730.56	39.5	1560.25	41.0	1681.00				
43.0	1849.00	40.6	1648.36	38.0	1444.00	41.8	1747.24				
37.4	1398.76	39.2	1536.64	42.4	1797.76	44.2	1953.64				
41.0	1681.00	38.0	1444.00	38.6	1489.96	40.0	1600.00				
41.6	1730.56	46.0	2116.00	41.5	1722.25	36.0	1296.00				
42.0	1764.00	44.0	1936.00	41.0	1681.00	42.6	1814.76				
37.0	1369.00	44.0	1936.00	37.0	1369.00	38.6	1489.96				
41.4	1713.96	46.0	2116.00	41.6	1730.56	42.0	1764.00				
40.0	1600.00	41.4	1713.96	41.0	1681.00	38.6	1489.96				
42.2	1780.84	42.8	1831.84	41.9	1755.61	39.4	1552.36				
41.5	1722.25	42.0	1764.00	43.6	1900.96	36.8	1354.24				

S. E. = $\sqrt{[illegible]}$ = .197

DIPSOSAURUS TEMPS
(BY AGE)

JUVENILE

X	X^2	X	X^2	X	X^2	X	X^2	X	X^2	X	X^2
40.6	1648.36										
40.2	1616.04										
41.9	1755.61										
41.4	1713.96										
42.0	1764.00										
41.4	1713.96										
41.8	1747.24										
36.0	1296.00										
38.0	1444.00										
43.5	1892.25										
42.0	1764.00										
38.0	1444.00										
38.5	1482.25										
38.4	1474.56										
39.0	1521.00										
42.2	1780.84										
42.8	1831.84										
39.4	1552.36										
41.3	1705.69										
41.0	1681.00										
40.8	1664.64										
43.2	1866.24										
41.0	1681.00										
~~42.4~~	~~1883.56~~										
44.0	1936.00										
43.8	1918.44										
39.4	1552.36										
37.0	1369.00										

$\bar{X} = 40.68$

$(\bar{X})^2 =$ [illegible]

$S^2 = 5.21$

$S.E. = \sqrt{.193}$

$= .439$

[illegible]

$\Sigma X = 1$[illegible]

[illegible]

Dipsosaurus Temperatures (°C)

Glamis				Palm Springs				Dale			
x	x^2	x	x^2	x	x^2	x	x^2	x	x^2	x	x^2
41.8		40.4		38.0		40.8		40.2		38.4	
41.0		40.8		40.0		44.8		40.5		39.8	
41.5		47.0		42.2		43.4		43.4		39.6	
41.8		44.0		42.2		44.0		42.0		40.1	
41.5		39.4		41.5		42.0		42.0		40.4	
41.4		40.6		40.5		41.6		41.5		40.5	
42.4		37.4		39.5		41.4		39.4		39.6	
41.0		40.2		43.0		42.0		42.6		35.9	
41.8		39.6		43.4		41.3		41.0		40.5	
43.6		40.6		42.2		41.0		43.4		39.4	
43.6		40.6		45.0		43.0		41.6		41.2	
42.0		42.2		41.4		44.0		42.0		42.0	
39.4		41.4		40.0		42.0		44.0		41.0	
40.8		43.2		40.2		42.0		39.0		40.0	
43.0		42.8		42.0		42.0		41.2		40.4	
43.8		40.8		40.6		43.4		42.0		40.4	
42.4		41.6		41.8		43.0		38.1		40.6	
38.2		42.4		42.0		43.6		43.6		42.0	
39.2		40.0		40.2		41.2		44.7		41.0	
38.6		43.2		41.5		29.6		43.5		37.6	
40.8		41.2		42.8		39.4		43.2		39.0	
39.8		40.0		40.8		39.8		43.6		40.8	
38.0		41.0		42.5		41.4		42.0		40.4	
42.8		42.0		42.4		42.8		44.6		40.0	
39.8		42.8		43.7		42.0		40.8		39.6	
40.6		46.0		44.5		43.0		42.6		41.2	
43.4		43.8		44.8		43.7		41.2		41.8	
40.2		44.0		44.8		40.0		41.3		41.2	
41.2		46.2		43.8		42.8		40.2		41.2	
33.6		43.0		39.8		38.9		43.0		41.4	

Dipsosaurus Temperatures (°C)

Glamis				Palm Springs				Dale			
X	X^2	X	X^2	X	X^2	X	X^2	X	X^2	X	X^2
39.5				42.0		31.6		42.4		39.2	
41.8				39.7		30.0		39.8		41.0	
40.5				40.0		39.4		41.4		41.2	
				40.0		42.8		40.7		38.4	
				42.0		41.4		43.6		N = 94	
				41.7		39.6		45.2		$\Sigma X = 3869.0$	
40.0				42.8		41.6		40.4		$\bar{X} = 41.2$	
40.8				41.8		38.5		40.0		39.6	
39.4				41.5		40.7		42.0		42.2	
41.0				41.5		42.1		42.0		40.6	
41.8				43.0		40.7		38.6		35.4	
44.2				39.4		41.0		44.0		42.4	
42.6				40.4		43.1		40.1		39.0	
42.2				39.7		42.6		38.8		36.0	
42.6				39.3		41.2		41.6		38.6	
				41.7		41.4		41.8		41.2	
				40.9		40.6		43.2		41.2	
				40.0		41.0		44.2		40.0	
				41.8		42.0		42.7		39.8	
				41.4		40.5		41.1		42.0	
				40.0		39.8		41.9		35.6	
				40.8		41.2		40.9		38.6	
				39.8		43.0		41.4		36.1	
				40.4		40.8		39.4		40.0	
				37.5		39.6		42.2		36.8	
				40.0		42.6		41.2		40.3	
				39.2		41.4		41.2		40.4	
				40.7		38.6		39.0		39.3	
				40.1		41.9		41.4		([illegible])	
				43.7		41.0		41.8			

N = 63
$\Sigma X = 2609.0$
$\bar{X} = 41.4$

n = 72
$\Sigma X = 2983.6$
$\bar{X} = 41.4$
$\Sigma X^2 = 123,936.24$
$\bar{X}^2 = 1713.96$
S^2 = 7.48
S.E. = $\sqrt{[illegible]}$
= .322

Dipsosaurus Temperatures (°C)

Glamis

x	x^2	x	x^2

Palm Springs

x	x^2	x	x^2
40.5		43.0	
40.2		40.2	
42.6		41.0	
41.0		38.5	
41.6		42.0	
39.5		42.0	
41.8		39.8	
41.8		41.8	
37.0		39.0	
40.6		38.2	
41.6		40.5	
38.2		39.0	
42.0		38.4	
41.0		39.0	
40.0		39.5	
40.8		39.5	
42.4		40.4	
41.0		40.0	
41.8		40.8	
44.1		40.6	
42.8		43.2	
43.8		43.0	
40.8		41.0	
41.6		41.2	
40.2		40.0	
39.6		N=175	
34.2		$\Sigma X = 7176.2$ $\bar{X} = 41.0$	
37.6			
43.0		35.8	
40.0		40.0 35.2	

Dale

x	x^2	x	x^2

n = 115
$\Sigma X = 4697.1$
$\bar{X} = 40.$[illegible]
$\Sigma X^2 = 19$[illegible]
$\bar{X}^2 = 1600.0$
[illegible]
$S.E. = \sqrt{.751}$
$= .867$

n = 178
$\Sigma X = 7287.2$
$\bar{X} = 40.$[illegible]
$\Sigma X^2 = 299,213.4$
[illegible]
$S.E. = \sqrt{[illegible]}$
$= .214$

Dipsosaurus Temperatures (°C)

(N = 332) (Through 19[illegible])

<table>
<tr><th>Temp (°C)</th><th>Glamis</th><th>Palm Springs</th><th>Dale Dry Lake</th></tr>
<tr><td>30</td><td></td><td>||</td><td></td></tr>
<tr><td>31</td><td></td><td></td><td></td></tr>
<tr><td>32</td><td></td><td>|</td><td></td></tr>
<tr><td>33</td><td></td><td></td><td></td></tr>
<tr><td>34</td><td>|</td><td>|</td><td></td></tr>
<tr><td>35</td><td></td><td>|</td><td>|</td></tr>
<tr><td>36</td><td></td><td>|</td><td>|| |</td></tr>
<tr><td>37</td><td>|</td><td>||</td><td></td></tr>
<tr><td>38</td><td>||</td><td>卌 ||</td><td>||||</td></tr>
<tr><td>39</td><td>卌 |</td><td>卌 卌 ||||</td><td>卌 卌 |</td></tr>
<tr><td>40</td><td>卌 卌</td><td>卌 卌 卌 卌 卌 卌 ||</td><td>卌 卌 卌 卌 |||</td></tr>
<tr><td>41</td><td>卌 卌 卌 ||||</td><td>卌 卌 卌 卌 卌 卌 卌 卌</td><td>卌 卌 卌 卌 卌 |</td></tr>
<tr><td>42</td><td>卌 卌 |||</td><td>卌 卌 卌 卌 卌 卌 卌 |</td><td>卌 卌 卌 ||||</td></tr>
<tr><td>43</td><td>卌 卌</td><td>卌 卌 卌 卌 |||</td><td>卌 ||||</td></tr>
<tr><td>44</td><td>卌 ||</td><td>卌 卌</td><td>卌 |</td></tr>
<tr><td>45</td><td></td><td>||||</td><td>|||</td></tr>
<tr><td>46</td><td>||</td><td></td><td></td></tr>
<tr><td>47</td><td>|</td><td></td><td></td></tr>
</table>

Time *Dipsosaurus* Are Active

Time	Glamis	29 Palms	Palm Springs
0600	I	I	
0630	II		I
0700	I	II	III
0730	卌 I	II	卌 I
0800	卌 IIII	卌 II	卌 卌 II
0830	卌 IIII	卌 IIII	卌 卌 卌 卌
0900	卌 卌 卌 卌 I	卌 卌 卌 III	卌 卌 卌 卌 I
0930	卌 卌 卌 I	卌 卌 卌 IIII	卌 卌 卌 卌 卌 卌 卌 I
1000	卌 卌 卌 I	卌 卌 卌 卌	卌 卌 卌 卌 卌 卌 卌 III
1030	卌 卌 III	卌 卌 卌 卌 卌	卌 卌 卌 卌 卌 卌 II
1100	卌 卌 I	卌 卌 卌 卌 卌 II	卌 卌 卌 卌 卌 卌 卌 卌 卌 卌 卌 卌 I
1130	卌 II	卌 卌 卌 卌 I	卌 卌 IIII
1200	卌 III	卌 II	卌 卌 卌 卌 卌 卌 卌
1230	IIII	卌 卌 II	卌 卌 卌 卌 卌
1300	IIII	卌	卌 卌 卌 III
1330	卌	II	卌 卌 卌 I
1400	I	I	卌
1430	II	I	IIII
1500	IIII		I
1530	I	I	I
1600	I		
1630			
1700	I	I	
1730			
1800		I	
1830			I
2100	I		
0035			
	(N =)	(N =)	(N =)

TIME DIPSOSAURUS ARE ACTIVE

GLAMIS

STANDARD TIME	MARCH	APRIL	MAY	JUNE	JULY	AUGUST
0600						
0630				1		
0700					1	1
0730					1	
0800				5	1	
0830			1	5		4
0900			2	7		3
0930		3	4	9	2	4
1000		7	3	17	1	1
1030		4	3	12	1	
1100		2	6	3	2	
1130		3	6	2		2
1200		1	4	1		2
1230			3	1		3
1300		1	2	2		1
1330		1	1	10		
1400			3	1		
1430			2			
1500		2				
1530		2				1
1600		1				
1630						
1700						
1730				1		
1800						
1830						
1900						
1930						

TIME DIPSOSAURUS ARE ACTIVE

29 PALMS

STANDARD TIME	MARCH	APRIL	MAY	JUNE	JULY	AUGUST
0600						
0630					1	
0700						
0730				1		
0800				1	1	
0830		1	1	3	2	
0900		3		2	1	3
0930		3		3	6	7
1000		5	3	4	4	3
1030		2	4	3	7	4
1100		10	1	7	6	2
1130		10	5	5		6
1200		12	1	7		1
1230		1	1	2		1
1300		4	3	1		1
1330		2				1
1400						1
1430						1
1500				1		
1530						
1600				1		
1630						
1700						
1730					1	
1800						
1830					1	
1900						
1930						

TIME *DIPSOSAURUS* ARE ACTIVE

PALM SPRINGS

Feb
1140-1

STANDARD TIME	MARCH	APRIL	MAY	JUNE	JULY	AUGUST
0600						
0630						
0700				𝍷		
0730		𝍷	𝍷	𝍷𝍷		
0800				𝍷𝍷𝍷𝍷	𝍷	𝍷𝍷
0830				𝍷𝍷𝍷	𝍸𝍷	𝍷𝍷𝍷
0900			𝍷	𝍸𝍷𝍷	𝍸𝍷𝍷	𝍸
0930		𝍷𝍷𝍷	𝍷𝍷	𝍷𝍷𝍷𝍷	𝍸𝍷𝍷𝍷𝍷	𝍷𝍷𝍷𝍷
1000		𝍷𝍷	𝍷𝍷𝍷𝍷	𝍸𝍷𝍷𝍷𝍷	𝍸𝍷𝍷𝍷	𝍸𝍸
1030	𝍷𝍷	𝍷𝍷𝍷𝍷	𝍷𝍷	𝍸𝍸𝍸 𝍷𝍷𝍷	𝍷𝍷𝍷	𝍷𝍷𝍷
1100	𝍷	𝍷𝍷𝍷	𝍸𝍸𝍷	𝍷𝍷𝍷	𝍷𝍷𝍷𝍷	𝍷
1130	𝍷𝍷𝍷𝍷	𝍷	𝍸𝍸𝍸 𝍷𝍷𝍷	𝍷𝍷	𝍸	𝍸
1200	𝍷𝍷	𝍷	𝍸𝍷𝍷𝍷𝍷	𝍷𝍷𝍷		𝍷
1230	𝍷𝍷	𝍸𝍸	𝍸𝍸𝍷𝍷	𝍸𝍷		
1300	𝍸𝍷	𝍸𝍸𝍷𝍷𝍷	𝍷	𝍸𝍷		
1330	𝍷𝍷	𝍸𝍷𝍷𝍷𝍷	𝍷	𝍸		
1400		𝍸𝍸	𝍸	𝍷𝍷		
1430		𝍷𝍷𝍷𝍷				
1500		𝍷𝍷𝍷𝍷				
1530		𝍷				
1600			𝍷			
1630						
1700						
1730						
1800						
1830						
1900						
1930						

Phrynosoma
platyrhinos

[illegible]
platyrhines

Phrynosoma platyrhinos Temps
(by month)

MARCH

x	x^2	x	x^2
38.0	1444.00		
38.5	1482.25		
38.8	1505.44		

N = 3

Σ 115.3

Σx^2 = [illegible]

$\bar{X}$ = 38.43

$\bar{X}^2$ = 1476.86

Phrynosoma platyrhinos Temps
(by month)

APRIL

x	x^2	x	x^2
36.0	1296.00		
37.0	1369.00		
38.4	1474.56		
38.4	1474.56		
38.1	1451.61		
35.4	1253.16		
36.2	1310.44		
34.0	1156.00		
33.8	1142.44		
36.0	1296.00		
33.4	1115.56		
35.6	[illegible]		
35.8	[illegible]		
32.8	[illegible]		
30.5	[illegible]		
29.2	[illegible]		
28.8	[illegible]		

$N = 17$

$\Sigma x =$ [illegible]

$\Sigma x^2 =$ [illegible]

$\bar{X} =$ [illegible]

$\bar{X}^2 =$ 1232.96

$s^2 =$ 8.91

$S.E. = \sqrt{[illegible]}$

$= .724$

Phrynosoma platyrhinos Temps
(by month)

MAY

x	x^2	x	x^2
31.2	973.44		
37.0	1369.00		
35.2	1239.04		
35.4	1253.16		

$N = 4$

$\Sigma x = 138.8$

$\Sigma x^2 = 4{,}834.64$

$\bar{x} = 34.7$

$(\bar{x})^2 = 1204.09$

Phrynosoma platyrhinos Temps
(by month)

JUNE

x	x^2	x	x^2
37.8	1428.84		
36.2	1310.44		
36.6	1339.56		
36.0	1296.00		
36.4	1324.96		
37.4	1398.76		
37.0	1369.00		
38.0	1444.00		
38.3	1466.89		
37.8	1428.84		
35.6	1267.3[illegible]		

$N = 11$

$\Sigma x = 407.1$

$\Sigma x^2 = 15{,}0$[illegible]

$\bar{X} = 37.0$

$(\bar{X})^2 = 136$[illegible]

$S^2 = 1.56$

$SE = \sqrt{.142}$

$= .377$

Phrynosoma platyrhinos Temps
(by month)

JULY

X	X^2	X	X^2
36.4	1324.96		
33.4	1115.56		
35.4	1253.16		

N = 3
ΣX = [illegible]
ΣX^2 = [illegible]
$\bar{X}$ = 35.06
$\bar{X}^2$ = [illegible]2

Phrynosoma platyrhinos Temps
(by month)

AUGUST

x	x^2	x	x^2
38.6	1489.96		
38.8	1505.44		
40.2	1616.04		
34.2	1169.64		

$N = 4$

$\Sigma x = 151.8$

$\Sigma x^2 = 5781.08$

$\bar{X} = 37.95$

$(\bar{X})^2 = 1440.20$

37.6

Phrynosoma platyrhinos Temps

(by month)

SEPT

X	X^2	X	Y^2
38.6	1489.96		
36.8	1354.24		
38.5	1482.25		

N =

Σ = 113.9

ΣX^2 = 43[illegible].45

$\bar{X}$ = 37.[illegible]6

$(\bar{X})^2$ = 144[illegible].16

38.0

Phrynosoma platyrhinos Temps
(by month)

OCT

x	x^2
31.9	1017.61

$\bar{X} = 31.9$

$(\bar{X})^2 = 1017.61$

Phrynosoma platyrhinos Temps

(by sex)

♂

X	X^2	X	X^2	X	X^2
38.6	1489.96	35.6	1267.36		
38.6	1489.96	35.6	1267.36		
38.0	1444.00	35.8	[illegible].64		
38.5	1482.25	32.8	[illegible]		
38.8	1505.44	29.2	[illegible]		
35.0	1225.00	28.8	[illegible]		
36.0	1296.00	n = [illegible]			
37.0	1369.00	ΣX = 12[illegible]			
38.4	1474.56	ΣX^2 = 46,779.[illegible]			
38.4	1474.56	$\bar{X}$ = 35.[illegible]6			
38.1	1451.61	$(\bar{X})^2$ = 12[illegible].12			
35.4	1253.16	s^2 = 6.50			
36.2	1310.44	S.E. = $\sqrt{.180}$			
31.2	973.44	= .424			
37.0	1369.00				
35.2	1239.04	37.6			
35.4	1253.16				
36.2	1310.44				
36.6	1339.56				
36.0	1296.00				
36.4	1324.96				
33.4	1115.56				
35.4	1253.16				
40.2	1616.04				
37.4	1398.76				
37.0	1369.00				
36.8	1354.24				
34.0	1156.00				
33.8	1142.44				
37.8	1428.84				

Phrynosoma platyrhinos Temp.

(by sex)

♀

x	x^2	x	x^2
38.8	1505.44		
31.9	1017.61		
37.8	1428.84		
36.4	1324.96		
38.0	1444.00		
38.5	1482.25		
34.2	1169.64		
38.3	1466.89		
30.5	[illegible]		

N = 9

Σx = 11761.xx

$\bar{x}$ = 36.04

Σx^2 = 12944.55

s^2 = 10.0

S.E. = $\sqrt{1.11}$

= 1.54

38.0

Phrynosoma platyrhinos Temps
(by age)

ADULT (65 mm)

X	X^2	X	X^2	X	X^2
38.6	1489.96	36.8	1354.24		
38.8	1505.44	34.0	1156.00		
38.6	1489.96	33.8	1142.44		
31.9	1017.61	34.2	1169.64		
38.0	1444.00	33.4	1115.56		
38.5	1482.25	36.0	1296.00		
38.8	1505.44	38.3	1466.89		
35.0	1225.00	37.8	1428.84		
37.0	1369.00	35.6	1267.36		
38.4	1474.56	35.6	1267.36		
38.4	1474.56	35.8	[illegible]		
38.1	1451.61	32.8	[illegible]		
35.4	1253.16	30.5	[illegible]		
36.2	1310.44	29.2	[illegible]		
31.2	973.44	28.8	[illegible]		
37.0	1369.00	$N = 45$			
35.2	1239.04	$\Sigma x = 1613.7$			
35.4	1253.16	$\Sigma x^2 =$ [illegible]			
37.8	1428.84	$\bar{X} = 35.86$			
36.2	1310.44	$(\bar{X})^2 = 1285.93$			
36.6	1339.56	$S^2 = 7.19$			
36.0	1296.00	$SE = \sqrt{.160}$			
36.4	1324.96	$= .40$			
33.4	1115.56				
35.4	1253.16	38.0			
40.2	1616.04				
36.4	1324.96				
37.4	1398.76				
37.0	1369.00				
38.0	1444.00				

Phrynosoma platyrhinos Temps
(by age)

IMMATURE

X	X^2
36.0	1296.00

$N = 1$

$\Sigma X = 36.0$

$\Sigma X^2 = 1296.0$

$\bar{X} = 36.0$

$(\bar{X})^2 = 1296.0$

Phrynosoma platyrhinos Temp.

(by age)

JUVENILE

X	X^2
38.5	1482.25

[illegible]

[illegible]

[illegible] 1482.25

$\bar{X}$ = 38.5

$(\Sigma X)^2$ = 1482.25

37.6

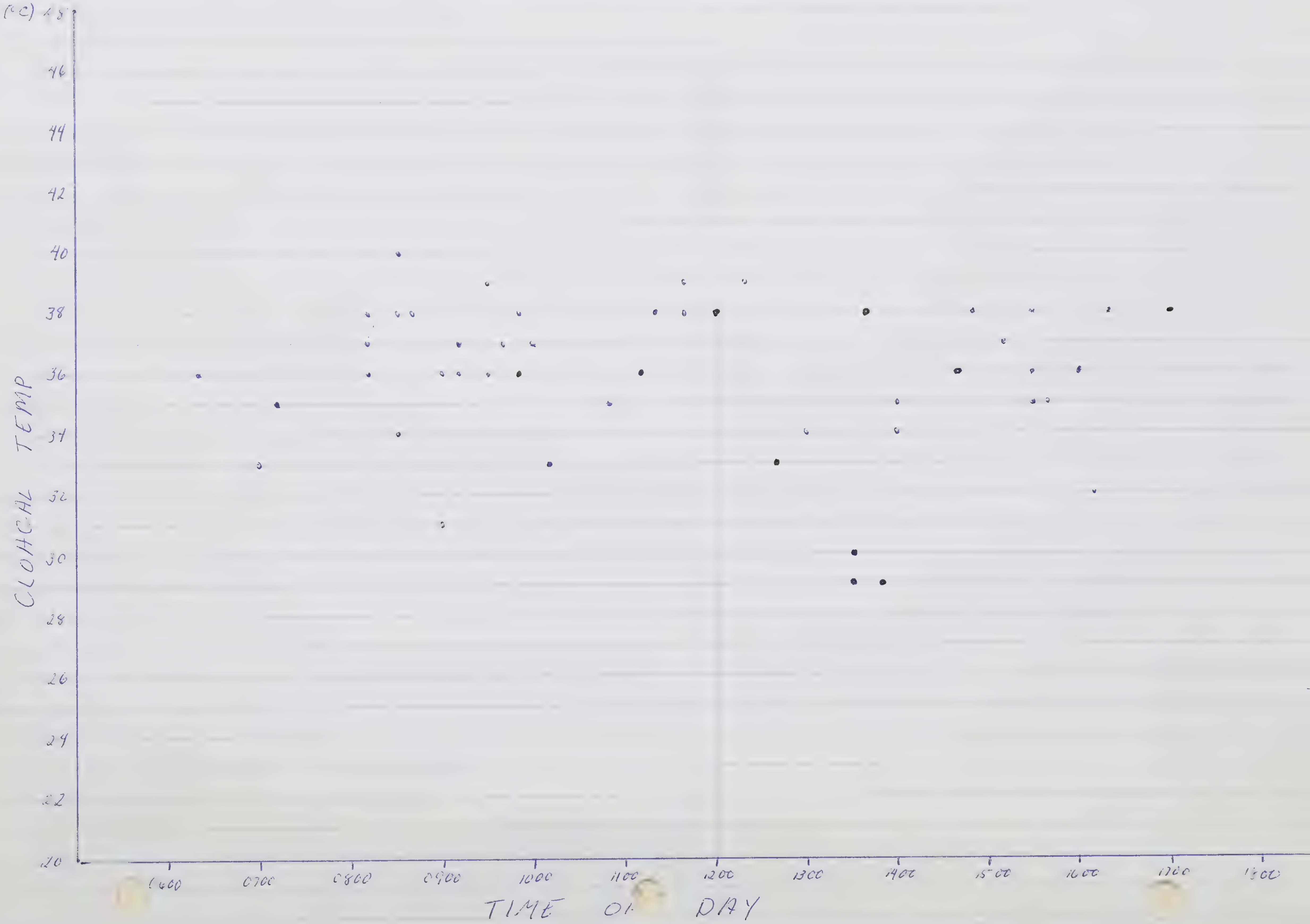
Time *Phrynosoma platyrhinos* Are Active
(by month)

TIME	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0500												
0530												
0600				I		I	I					
0630							II					
0700						I	I	I				
0730						𝍸						
0800				I		I		III				
0830					I	III		I				
0900				II				II				
0930			II	I	II							
1000								I				
1030				III	I			II				
1100			II						II	I		
1130						I						
1200				I		I			I			
1230				I								
1300				II	I	I						
1330				IIII								
1400						I						
1430				I					I			
1500				III	I							
1530				I	I					I		
1600									I			
1630					I	I		II	I			
1700												
1730												
1800												
1830												
1900												

Phrynosoma platyrhinos Temps

TEMP(°C)	No. of Animals	"No Chase"
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29	2	2
30	1	1
31	1	1
32	1	1
33	3	2
34	3	3
35	5	3
36	9	4
37	4	4
38	13	11
39	4	2
40	1	
41		
42		
43		
44		
45		
46		
47		

Phrynosoma platyrhinos



SCELOPORUS
GRACIOSUS

SCELOPORUS
GRACIOSUS

Sceloporus graciosus caught Sept. 7, 1963

AM

x	x^2
34.0	
33.4	
33.0	
36.0	
37.0	
34.0	
35.2	
32.2	
33.0	
35.2	
36.0	
36.4	
36.4	
33.4	
33.2	
36.8	
33.0	
33.4	

$N = 18$

$\Sigma x = 621.6$

$\Sigma x^2 = 21,50$[illegible]

$\bar{x} = 34.53$

$\bar{x}^2 = 1192.32$

$s^2 = 2.72$

s.e. $= \sqrt{.151}$

$= .389$

PM

x	x^2
36.0	
30.2	
35.0	
33.0	
35.6	
36.2	
35.6	
34.4	
33.0	
30.0	
34.6	
36.0	
36.0	
34.8	
37.0	
34.0	
34.6	
34.4	
37.0	
34.4	
35.4	
35.0	

$N = 22$

$\Sigma x = 762.2$

$\Sigma x^2 = 26,$[illegible]

$\bar{x} =$ [illegible]

$(\bar{x})^2$ [illegible]

$s^2 =$ [illegible]

s.e. $= \sqrt{}$[illegible]

[illegible]

SCELOPORUS GRACIOSUS TEMPS
(BY MONTH)

APRIL

x	x^2
31.4	985.96
29.8	888.04
29.8	888.04
29.8	888.04
34.4	1183.36
33.0	1089.00
33.6	1128.96
30.0	900.00
33.0	1089.00
34.0	1156.00
30.4	924.16
31.2	973.44
29.2	852.64
28.6	817.96
35.6	1267.36
33.0	1089.00
31.0	961.00
28.8	829.44
29.2	852.64
36.6	1339.56
33.0	1089.00
32.4	1049.76
31.8	1011.24
36.2	1310.44
30.8	948.64
32.2	1036.84
33.4	1115.56
34.2	1169.64
33.0	1089.00
27.8	772.84
29.4	864.36

$N = 31$

$\Sigma x = 98$[illegible]

$\Sigma x^2 = 31{,}560.92$

$\bar{X} = 31.82$

$(\bar{X})^2 = 1012.51$

$S^2 = 5.77$

$S.E. = \sqrt{.18\text{[illegible]}}$

$= .431$

SCELOPORUS GRACIOSUS TEMPS
(BY MONTH)

MAY

x	x^2	x	x^2	x	x^2	x	x^2	x	x^2	x	x^2
33.0	1089.00	32.6	1062.76	33.8	1142.44						
33.0	1089.00	35.0	1225.00	35.0	1225.00						
34.8	1211.04	[illegible]		35.8	1281.64						
32.0	1024.00	36.2	1310.44	33.6	1128.96						
31.4	985.96	33.0	1089.00	32.0	1024.00						
31.8	1011.24	34.0	1156.00	35.6	1267.36						
37.0	1369.00	35.2	1239.04	32.6	1062.76						
34.0	1156.00	34.6	1197.16	N = 66							
34.0	1156.00	32.4	1049.76	Σx = [illegible]							
31.5	992.25	34.4	1183.36	Σx^2 = 75,680.09							
31.4	985.96	35.0	1225.00	$\bar{X}$ = 33.7[illegible]							
34.4	1183.36	36.0	1296.00	$(\bar{X})^2$ = [illegible]							
30.2	912.04	33.6	1128.96	s^2 = 5.67							
35.8	1281.64	32.4	1049.76	S.E. = $\sqrt{.0[illegible]}$							
33.8	1142.44	35.2	1239.04	= .293							
34.8	1211.04	36.8	1354.24								
36.4	1324.96	34.8	1211.04								
36.0	1296.00	34.4	1183.36								
34.2	1169.64	33.6	1128.96								
34.0	1156.00	35.4	1253.16								
31.8	1011.24	35.4	1253.16								
34.0	1156.00	35.8	1281.64								
32.0	1024.00	34.2	1169.64								
34.8	1211.04	35.2	1239.04								
35.2	1239.04	33.0	1089.00								
32.0	1024.00	33.0	1089.00								
33.0	1089.00	33.8	1142.44								
33.8	1142.44	32.4	1049.76								
20.0	400.00	36.2	1310.44								
34.0	1156.00	33.8	1142.44								

SCELOPORUS GRACIOSUS TEMPS
(BY MONTH)

JUNE

x	x^2	x	x^2	x	x^2	x	x^2	x	x^2	x	x^2
30.8	948.64	37.0	1369.00	37.2	1383.84						
34.2	1169.64	34.4	1183.36	35.8	1281.64						
34.2	1169.64	34.6	1197.16	28.5	812.25						
35.6	1267.36	33.4	1115.56	36.0	1296.00						
36.2	1310.44	34.2	1169.64	33.2	1102.24						
33.6	1128.96	35.0	1225.00	35.0	1225.00						
36.2	1310.44	36.4	1324.96	31.6	998.56						
34.8	1211.04	36.0	1296.00	32.8	1075.84						
34.4	1183.36	36.1	1303.21	34.8	1211.04						
35.0	1225.00	33.2	1102.24	33.4	1115.56						
37.4	1398.76	36.5	1332.25	34.8	1211.04						
35.0	1225.00	33.2	1102.24	35.6	1267.36						
34.4	1183.36	32.6	1062.76	36.5	1332.25						
32.8	1075.84	36.8	1354.24	32.8	1075.84						
34.4	1183.36	32.0	1024.00	34.4	1183.36						
34.0	1156.00	27.9	778.41	~~29.6~~							
34.4	1183.36	33.2	1102.24								
34.4	1183.36	34.0	1156.00								
34.6	1197.16	34.0	1156.00								
34.0	1156.00	31.6	998.56								
28.2	795.24	35.2	1239.04								
32.2	1036.84	33.9	1149.21								
36.6	1339.56	36.0	1296.00								
36.0	1296.00	33.4	1115.56								
36.6	1339.56	30.0	900.00								
35.6	1267.36	34.2	1169.64								
34.6	1197.16	32.2	1036.84								
36.0	1296.00	28.0	784.00								
30.2	912.04	27.0	729.00								
35.0	1225.00	33.8	1142.44								

$N = 75$

$\sum x =$ [illegible]

$\sum x^2 =$ [illegible]

$\bar{x} =$ [illegible]

$\bar{x}^2 =$ [illegible]

$s^2 =$ [illegible]

S.E. = [illegible]

= [illegible]

SCELOPORUS GRACIOSUS TEMPS
(BY MONTH)

JULY

x	x²	x	x²	x	x²	x	x²	x	x²	x	x²
33.0	1089.00	32.8	1075.84	32.4	1049.76	34.5	1190.25				
35.0	1225.00	31.5	992.25	35.3	1246.09	34.2	1169.64				
32.4	1049.76	31.6	998.56	35.0	1225.00	36.2	1310.44				
34.4	1183.36	35.4	1253.16	36.0	1296.00	36.4	1324.96				
34.6	1197.16	35.2	1239.04	34.6	1197.16	37.8	1428.84				
35.8	1281.64	36.0	1296.00	32.3	1043.29	35.2	1239.04				
35.0	1225.00	33.6	1128.96	35.5	1260.25	34.4	1183.36				
33.0	1089.00	34.0	1156.00	32.8	1075.84	33.2	1102.24				
31.0	961.00	35.6	1267.36	35.4	1253.16	37.4	1398.76				
33.5	1122.25	34.4	1183.36	35.5	1260.25	33.2	1102.24				
31.5	992.25	33.4	1115.56	34.0	1156.00	37.4	1398.76				
34.0	1156.00	35.4	1253.16	32.0	1024.00	33.7	1135.69				
35.0	1225.00	37.0	1369.00	34.8	1211.04	36.0	1296.00				
33.0	1089.00	34.8	1211.04	34.6	1197.16	36.0	1296.00				
36.6	1339.56	30.8	948.64	34.4	1183.36	34.6	1197.16				
31.8	1011.24	36.5	1332.25	34.6	1197.16	34.3	1176.49				
35.0	1225.00	33.4	1115.56	35.2	1239.04	36.0	1296.00				
34.2	1169.64	33.7	1135.69	34.6	1197.16	36.4	1324.96				
30.4	924.16	33.4	1115.56	33.2	1102.24	37.0	1369.00				
35.0	1225.00	33.6	1128.96	33.3	1108.89	34.0	1156.00				
33.6	1128.96	37.9	1436.41	36.0	1296.00	36.0	1296.00				
34.8	1211.04	34.2	1169.64	31.0	961.00	33.6	1128.96				
30.2	912.04	34.0	1156.00	28.4	806.56	33.2	1102.24				
36.8	1354.24	38.4	1474.56	32.4	1049.76	33.0	1089.00				
33.2	1102.24	34.3	1176.49	36.4	1324.96	37.8	1428.84				
35.0	1225.00	34.0	1156.00	35.2	1239.04	34.0	1156.00				
34.2	1169.64	34.4	1183.36	36.0	1296.00						
32.5	1056.25	33.0	1089.00	31.8	1011.24						
31.5	992.25	34.6	1197.16	37.0	1369.00						
33.0	1089.00	34.0	1156.0	33.8	1142.44						

$\bar{X}$ = 34.30

$(\bar{X})^2$ = [illegible]

S^2 = 3.20

$S_{\bar{X}} = \sqrt{.028}$

= .167

N = 116

ΣX = 3978.9

ΣX^2 = 136 840.9[illegible]

SCELOPORUS GRACIOSUS TEMPS
(BY MONTH)
AUGUST

x	x^2	x	x^2	x	x^2
34.2	1169.64	32.8	1075.84	32.6	1062.76
34.8	1211.04	35.2	1239.04	35.1	1232.01
34.0	1156.00	37.0	1369.00	36.7	1346.89
37.5	1406.25	35.5	1260.25	34.4	1183.36
36.0	1296.00	35.8	1281.64	36.0	1296.00
34.6	1197.16	33.4	1115.56	34.6	1197.16
35.6	1267.36	33.2	1102.24	39.0	1521.00
33.4	1115.56	35.6	1267.36	34.4	1183.36
33.6	1128.96	35.0	1225.00	37.2	1383.84
33.8	1142.44	36.0	1296.00	35.6	1267.36
33.4	1115.56	32.2	1036.84	32.8	1075.84
34.5	1190.25	35.0	1225.00	36.2	1310.44
34.3	1176.49	33.6	1128.96	34.8	1211.04
29.9	894.01	34.0	1156.00	36.4	1324.96
32.8	1075.84	31.6	998.56	38.0	1444.00
32.5	1056.25	35.0	1225.00	36.8	1354.24
31.4	985.96	34.0	1156.00	34.0	1156.00
35.8	1281.64	36.0	1296.00	34.0	1156.00
36.4	1324.96	35.2	1239.04	34.2	1169.64
37.2	1383.84	33.0	1089.00	32.6	1062.76
35.4	1253.16	31.6	998.56	35.0	1225.00
36.4	1324.96	34.5	1190.25	36.6	1339.56
33.4	1115.56	37.2	1383.84		
35.0	1225.00	33.0	1089.00		
36.4	1324.96	34.7	1204.09		
33.2	1102.24	35.6	1267.36		
35.4	1253.16	36.1	1303.21		
34.8	1211.04	36.3	1317.69		
35.0	1225.00	32.8	1075.84		
34.4	1183.36	35.0	1225.00		
34.8	1211.04	33.0	1089.00		

$N = 84$

$\Sigma x = 2915.3$

$\Sigma x^2 = 101,330.03$

$\bar{X} = 34.71$

$(\bar{X})^2 = 1204.7$

$s^2 = 2.78$

$S.E. = \sqrt{.033}$

$= .182$

SCELOPORUS graciosus TEMPS
(BY MONTH)

SEPTEMBER

x	x^2	x	x^2	x	x^2	x	x^2	x	x^2	x	x^2
35.2	1239.04	33.4	1115.56	34.8	[illegible]						
34.8	1211.04	33.4	1115.56	35.2	[illegible]						
34.2	1169.64	33.2	1102.24	34.4	[illegible]						
36.0	1296.00	36.8	1354.24	34.6	[illegible]						
36.2	1310.44	33.0	[illegible]	35.0	[illegible]						
36.3	1317.69	36.0	1296.00	35.2	[illegible]						
32.0	1024.00	30.2	912.04	33.2	1102.24						
35.2	1239.04	35.0	[illegible]	36.4	[illegible]						
33.4	1115.56	33.0	1089.00								
34.7	1204.09	35.6	[illegible]								
34.8	1211.04	36.2	1310.44								
33.6	1128.96	35.6	[illegible]								
33.0	1089.00	34.4	1183.36								
35.4	1253.16	33.0	[illegible]								
32.2	1036.84	30.0	900.00								
25.4	645.16	34.6	1197.16								
33.2	1102.24	36.0	1296.00								
32.8	1075.84	36.0	[illegible]								
34.0	1156.00	34.8	1211.04								
33.4	1115.56	37.0	[illegible]								
33.0	1089.00	34.0	[illegible]								
36.0	1296.00	34.6	1197.16								
✓37.0	[illegible]	34.4	1183.36								
34.0	1156.00	37.0	[illegible]								
35.2	1239.04	34.4	[illegible]								
32.2	1036.84	35.4	[illegible]								
33.0	[illegible]	35.0	[illegible]								
35.2	1239.04	32.6	[illegible]								
36.0	1296.00	35.6	[illegible]								
36.4	[illegible]	34.0	[illegible]								
36.4	1324.96	35.0	[illegible]								

N = 70

Σx = [illegible]

Σx^2 = [illegible]

$\bar{X}$ = [illegible]

$(\bar{X})^2$ = [illegible]

S^2 = 3.63

S.E. = $\sqrt{.052}$

= .228

SCELOPORUS GRACIOSUS TEMPS (BY SEX)

♂

x	x^2	x	x^2	x	x^2	x	x^2	x	x^2	x	x^2
34.8	1211.04	34.2	1169.64	32.6	1062.76	33.0	1089.00	32.4	1049.76	35.6	1267.36
35.2	1239.04	36.2	1310.44	35.0	1225.00	31.0	961.00	31.8	1011.24	32.6	1062.76
33.0	1089.00	36.3	1317.69	33.6	1128.96	34.0	1156.00	36.2	1310.44	33.2	1102.24
33.0	1089.00	32.0	1024.00	34.4	1183.36	30.4	924.16	30.8	948.64	35.2	1239.04
34.8	1211.04	33.4	1115.56	35.0	1225.00	35.0	1225.00	32.2	1036.84	33.9	1149.21
32.0	1024.00	34.8	1211.04	34.4	1183.36	34.8	1211.04	33.4	1115.56	36.0	1296.00
31.4	985.96	33.6	1128.96	34.4	1183.36	36.8	1354.24	34.2	1169.64	33.4	1115.56
31.8	1011.24	35.4	1253.16	34.0	1156.00	33.2	1102.24	33.0	1089.00	30.0	900.00
37.0	1369.00	32.2	1036.84	34.4	1183.36	31.5	992.25	27.8	772.84	28.0	784.00
34.0	1156.00	25.4	645.16	34.4	1183.36	32.8	1075.84	29.4	864.36	27.0	729.00
34.0	1156.00	34.4	1183.36	34.6	1197.16	31.6	998.56	36.2	1310.44	33.8	1142.44
31.5	992.25	29.8	888.04	32.2	1036.84	35.2	1239.04	34.4	1183.36	37.2	1383.84
31.4	985.96	34.4	1183.36	36.0	1296.00	36.0	1296.00	36.0	1296.00	33.2	1102.24
30.8	948.64	33.0	1089.00	35.6	1267.36	33.6	1128.96	33.6	1128.96	35.0	1225.00
34.2	1169.64	33.6	1128.96	34.6	1197.16	34.0	1156.00	32.4	1049.76	31.6	998.56
34.2	1169.64	33.0	1089.00	30.2	912.04	36.4	1324.96	35.2	1239.04	32.8	1075.84
35.6	1267.36	34.0	1156.00	37.0	1369.00	35.0	1225.00	34.8	1211.04	34.8	1211.04
36.2	1310.44	31.2	973.44	34.4	1183.36	36.4	1324.96	35.4	1253.16	34.4	1183.36
34.0	1156.00	35.8	1281.64	33.4	1115.56	33.2	1102.24	35.4	1253.16	~~27.6~~	
37.5	1406.25	33.8	1142.44	34.2	1169.64	35.4	1253.16	35.8	1281.64	34.4	1183.36
34.6	1197.16	34.8	1211.04	35.0	1225.00	35.4	1253.16	34.2	1169.64	37.0	1369.00
33.6	1128.96	36.4	1324.96	36.4	1324.96	29.2	852.64	35.2	1239.04	34.8	1211.04
33.4	1115.56	36.0	1296.00	36.0	1296.00	28.6	817.96	33.0	1089.00	30.8	948.64
34.5	1190.25	34.0	1156.00	36.1	1303.21	35.6	1267.36	33.0	1089.00	33.4	1115.56
34.3	1176.49	31.8	1011.24	36.5	1332.25	33.0	1089.00	33.8	1142.44	33.7	1135.69
29.9	894.01	32.0	1024.00	33.2	1102.24	31.0	961.00	32.4	1049.76	33.4	1115.56
32.5	1056.25	33.0	1089.00	32.6	1062.76	28.8	829.44	36.2	1310.44	37.9	1436.41
31.4	985.96	33.8	1142.44	36.8	1354.24	29.2	852.64	35.8	1281.64	34.2	1169.64
35.8	1281.64	20.0	400.00	35.0	1225.00	36.6	1339.56	33.6	1128.96	34.0	1156.00
34.8	1211.04	34.0	1156.00	34.6	1197.16	33.0	1089.00	32.0	1024.00	34.0	1156.00

Sceloporus graciosus Temps.
(By Sex)

♂

x	x^2	x	x^2	x	x^2	x	x^2
34.0	1156.00	34.4	1183.36	34.0	1156.00	33.2	1102.24
35.0	1225.00	35.5	1260.25	33.4	1115.56	36.4	1324.96
36.0	1296.00	35.8	1281.64	36.0	1296.00		
34.6	1197.16	33.2	1102.24	37.0	1369.00		
35.5	1260.25	36.0	1296.00	34.0	1156.00		
32.8	1075.84	35.0	1303.21	32.2	1036.84		
35.4	1253.16	33.6	1128.96	33.0	1089.00		
32.0	1024.00	34.0	1156.00	35.2	1239.04		
34.6	1197.16	31.6	998.56	36.0	1296.00		
33.3	1108.89	34.0	1156.00	36.4	1324.96		
36.0	1296.00	35.2	1239.04	36.4	1324.96		
31.0	961.00	33.0	1089.00	33.4	1115.56		
28.4	806.56	31.6	998.56	33.4	[illegible]		
32.4	1049.76	37.2	1383.84	33.0	1089.00		
36.4	1324.96	33.0	1089.00	36.0	1296.00		
35.2	1239.04	34.7	1204.09	33.0	1089.00		
36.0	1296.00	36.3	1317.69	35.6	1267.36		
34.5	1190.25	35.0	1225.00	36.2	1310.44		
34.2	1169.64	33.0	1089.00	35.6	1267.36		
37.8	1428.84	32.6	1062.76	33.0	1089.00		
35.2	1239.04	34.4	1183.36	30.0	900.00		
37.4	1398.76	36.0	1296.00	34.6	1197.16		
36.0	1296.00	34.6	1197.16	34.0	1156.00		
36.0	1296.00	37.2	1383.84	34.6	1197.16		
34.6	1197.16	32.8	1075.84	35.4	[illegible]		
34.3	1176.49	36.2	1310.44	35.0	[illegible]		
36.0	1296.00	34.8	1211.04	32.6	1062.76		
37.0	1369.00	36.4	1324.96	35.2	1239.04		
36.0	1296.00	36.8	1354.24	34.4	1183.36		
37.8	1428.84	34.0	1156.00	34.6	1197.16		
35.0	1225.00	35.0	1225.00	35.0	[illegible]		

$N = 274$

$\Sigma x = 9{,}315.8$

$\Sigma x^2 = 318{,}120.81$

$\bar{x} = 33.99$

$(\bar{x})^2 = 115$[illegible]

$s^2 = 5.72$

$S.E. = \sqrt{.021}$

$= .145$

SCELOPORUS graciosus TEMPS (BY SEX)

♀

X	X^2	X	X^2	X	X^2	X	X^2	X	X^2	X	X^2
36.0	1296.00	28.2	795.24	~~34.6~~	—	35.4	1253.16	34.0	1156.00	35.2	1239.04
35.6	1267.36	36.6	1339.56	33.0	1089.00	36.5	1332.25	33.6	1128.96	33.2	1102.24
33.4	1115.56	36.6	1339.56	34.0	1156.00	33.6	1128.96	33.2	1102.24	36.8	1354.24
33.8	1142.44	36.0	1296.00	35.2	1239.04	38.4	1474.56	33.0	1089.00	30.2	912.04
32.8	1075.84	35.0	1225.00	34.6	1197.16	34.3	1176.49	34.0	1156.00	35.0	1225.00
36.4	1324.96	34.6	1197.16	32.4	1049.76	34.4	1183.36	35.0	1225.00	34.4	1183.36
37.2	1383.84	33.2	1102.24	35.0	1225.00	33.0	1089.00	34.8	1211.04	35.6	1267.36
36.0	1296.00	33.0	1089.00	36.8	1354.24	34.6	1197.16	32.8	1075.84	34.0	1156.00
35.2	1239.04	32.4	1049.76	34.4	1183.36	32.4	1049.76	35.2	1239.04	36.0	1296.00
34.7	1204.09	34.4	1183.36	33.6	1128.96	35.3	1246.09	37.0	1369.00	36.0	1296.00
33.0	1089.00	35.8	1281.64	33.8	1142.44	32.3	1043.29	33.4	1115.56	34.8	1211.04
33.2	1102.24	35.0	1225.00	33.8	1142.44	35.5	1260.25	35.6	1267.36	37.0	1369.00
32.8	1075.84	33.5	1122.25	35.0	1225.00	34.0	1156.00	32.2	1036.84	34.4	1183.36
30.2	912.04	31.5	992.25	32.0	1024.00	34.8	1211.04	35.0	1225.00	37.0	1369.00
29.8	888.04	35.0	1225.00	27.9	778.41	34.6	1197.16	36.0	1296.00	34.4	1183.36
29.8	888.04	33.0	1089.00	34.0	1156.00	34.4	1183.36	34.5	1190.25	35.0	1225.00
31.4	985.96	36.6	1339.56	34.0	1156.00	34.6	1197.16	35.6	1267.36	34.8	1211.04
30.0	900.00	31.8	1011.24	31.6	998.56	35.2	1239.04	36.1	1303.21	35.2	1239.04
30.4	924.16	35.0	1225.00	34.2	1169.64	33.2	1102.24	32.8	1075.84		
34.2	1169.64	34.2	1169.64	32.2	1036.84	31.8	1011.24	35.1	1232.01		
34.0	1156.00	33.6	1128.96	35.8	1281.64	37.0	1369.00	36.7	1346.89		
34.8	1211.04	30.2	912.04	28.5	812.25	33.8	1142.44	39.0	1521.00		
35.2	1239.04	35.0	1225.00	36.0	1296.00	36.2	1310.44	34.4	1183.36		
32.0	1024.00	34.2	1169.64	33.4	1115.56	36.4	1324.96	35.6	1267.36		
36.2	1310.44	32.5	1056.25	34.8	1211.04	34.4	1183.36	38.0	1444.00		
34.8	1211.04	33.0	1089.00	35.6	1267.36	33.2	1102.24	34.0	1156.00		
35.0	1225.00	31.5	992.25	36.5	1332.25	33.2	1102.24	34.2	1169.64		
37.4	1398.76	35.4	1253.16	32.8	1075.84	37.4	1398.76	36.6	1339.56		
32.8	1075.84	33.4	1115.56	35.6	1267.36	33.7	1135.69	32.6	1062.76		
34.0	1156.00	34.8	1211.04	33.4	1115.56	36.4	1324.96	33.0	1089.00		

N = 167

ΣX = 5793.8

ΣX^2 = [illegible]

$\bar{X}$ = 34.24

$\bar{X}^2$ = 1172.47

s = [illegible]

$s_{\bar{x}} = \sqrt{[illegible]}$

= .15[illegible]

SCELOPORUS GRACIOSUS TEMPS (BY AGE)

ADULT

x	x^2	x	x^2	x	x^2	x	x^2	x	x^2	x	x^2
34.8	1211.04	29.9	894.01	34.4	1183.36	34.4	1183.36	36.1	1303.21	33.2	1102.24
34.2	1169.64	32.8	1075.84	33.0	1089.00	35.0	1225.00	33.2	1102.24	35.0	1225.00
35.2	1239.04	32.5	1056.25	33.6	1128.96	37.4	1398.76	36.5	1332.25	34.2	1169.64
33.0	1089.00	31.4	985.96	30.0	900.00	35.0	1225.00	33.2	1102.24	32.5	1056.25
33.0	1089.00	35.8	1281.64	33.0	1089.00	34.4	1183.36	32.6	1062.76	31.5	992.25
34.8	1211.04	36.4	1324.96	34.0	1156.00	32.8	1075.84	36.8	1354.24	33.0	1089.00
32.0	1024.00	37.2	1383.84	30.4	924.16	34.4	1183.36	33.0	1089.00	32.8	1075.84
31.4	985.96	34.8	1211.04	31.2	973.44	34.0	1156.00	35.0	1225.00	31.5	992.25
31.8	1011.24	34.2	1169.64	35.8	1281.64	34.4	1183.36	32.4	1049.76	31.6	998.56
37.0	1369.00	36.0	1296.00	33.8	1142.44	34.4	1183.36	34.4	1183.36	35.4	1253.16
34.0	1156.00	36.2	1310.44	34.8	1211.04	34.6	1197.16	34.6	1197.16	35.2	1239.04
34.0	1156.00	36.3	1317.69	36.4	1324.96	34.0	1156.00	35.8	1281.64	36.0	1296.00
31.5	992.25	32.0	1024.00	36.0	1296.00	28.2	795.24	35.0	1225.00	33.6	1128.96
31.4	985.96	35.2	1239.04	34.2	1169.64	32.2	1036.84	33.0	1089.00	34.0	1156.00
30.8	948.64	33.4	1115.56	34.0	1156.00	36.6	1339.56	31.0	961.00	35.4	1253.16
34.2	1169.64	34.7	1204.09	31.8	1011.24	36.0	1296.00	33.5	1122.25	36.4	1324.96
34.2	1169.64	34.8	1211.04	34.0	1156.00	36.6	1339.56	31.5	992.25	33.4	1115.56
35.6	1267.36	33.6	1128.96	32.0	1024.00	35.6	1267.36	34.0	1156.00	35.0	1225.00
36.2	1310.44	33.0	1089.00	34.8	1211.04	34.6	1197.16	35.0	1225.00	36.4	1324.96
34.0	1156.00	35.4	1253.16	35.2	1239.04	36.0	1296.00	33.0	1089.00	33.2	1102.24
37.5	1406.25	32.2	1036.84	32.0	1024.00	30.2	912.04	36.6	1339.56	35.4	1253.16
36.0	1296.00	25.4	645.16	33.0	1089.00	35.0	1225.00	31.8	1011.24	34.8	1211.04
34.6	1197.16	33.2	1102.24	33.8	1142.44	37.0	1369.00	35.0	1225.00	36.6	1339.56
35.6	1267.36	32.8	1075.84	20.0	400.00	34.4	1183.36	34.2	1169.64	33.0	1089.00
33.4	1115.56	34.4	1183.36	34.0	1156.00	34.6	1197.16	30.4	924.16	32.4	1049.76
33.6	1128.96	30.2	912.04	32.6	1062.76	33.4	1115.56	35.0	1225.00	31.8	1011.24
33.8	1142.44	31.4	985.96	35.0	1225.00	34.2	1169.64	33.6	1128.96	36.2	1310.44
33.4	1115.56	29.8	888.04	33.6	1128.96	35.0	1225.00	34.8	1211.04	30.8	948.64
34.5	1190.25	29.8	888.04	36.2	1310.44	36.4	1324.96	30.2	912.04	32.2	1036.84
34.3	1176.49	29.8	888.04	34.8	1211.04	36.0	1296.00	36.8	1354.24	33.4	1115.56

Sceloporus graciosus Temps. (By Age)

ADULT

x	x^2	x	x^2	x	x^2	x	x^2	x	x^2	x	x^2
34.2	1169.64	33.6	1128.96	37.0	1369.00	34.2	1169.64	34.0	1156.00	34.0	1156.00
33.0	1089.00	32.0	1024.00	34.8	1211.04	36.2	1310.44	31.6	998.56	34.2	1169.64
27.8	772.84	35.6	1267.36	33.4	1115.56	36.4	1324.96	35.0	1225.00	35.0	1225.00
29.4	864.36	32.6	1062.76	33.7	1135.69	37.8	1428.84	31.6	998.56	36.6	1339.56
36.2	1310.44	35.2	1239.04	33.6	1128.96	35.2	1239.04	34.5	1190.25	34.0	1156[illegible]
33.0	1089.00	33.9	1149.21	37.9	1436.41	33.2	1102.24	37.2	1383.84	33.4	[illegible]
34.0	1156.00	36.0	1296.00	38.4	1474.56	37.4	1398.76	33.0	1089.00	36.0	12[illegible]
35.2	1239.04	33.4	1115.56	34.4	1183.36	37.4	1398.76	34.7	1204.09	30.2	91[illegible]
34.6	1197.16	30.0	900.00	35.3	1246.09	33.7	1135.69	35.6	1267.36	35.0	[illegible]
32.4	1049.76	34.2	1169.64	35.0	1225.00	36.0	1296.00	36.1	1303.21	35.6	126[illegible]
34.4	1183.36	32.2	1036.84	36.0	1296.00	34.6	1197.16	36.3	1317.69	36.2	[illegible]
35.0	1225.00	28.0	784.00	34.6	1197.16	36.0	1296.00	32.8	1075.84	35.6	12[illegible]
36.0	1296.00	27.0	729.00	32.3	1043.29	36.4	1324.96	35.0	1225.00	34.4	118[illegible]
33.6	1128.96	33.8	1142.44	35.5	1260.25	37.0	1369.00	33.0	1089.00	33.0	[illegible]
32.4	1049.76	37.2	1383.84	32.8	1075.84	34.0	1156.00	32.6	1062.76	34.6	119[illegible]
35.2	1239.04	35.8	1281.64	35.4	1253.16	36.0	1296.00	35.1	1232.01	36.0	[illegible]
36.8	1354.24	28.5	812.25	35.5	1260.25	33.6	1128.96	36.7	1346.89	34.0	11[illegible]
34.8	1211.04	36.0	1296.00	34.0	1156.00	33.2	1102.24	34.4	1183.36	35.0	[illegible]
34.4	1183.36	33.2	1102.24	32.0	1024.00	37.8	1428.84	36.0	1296.00	35.0	12[illegible]
33.6	1128.96	35.0	1225.00	34.8	1211.04	34.0	1156.00	34.6	1197.16	34.8	12[illegible]
35.4	1253.16	31.6	998.56	34.6	1197.16	37.0	1369.00	39.0	1521.00	35.2	1239.04
35.4	1253.16	32.8	1075.84	34.4	1183.36	35.5	1260.25	34.4	1183.36	34.4	[illegible]
35.8	1281.64	34.8	1211.04	34.6	1197.16	35.8	1281.64	37.2	1383.84	34.6	[illegible]
34.2	1169.64	33.4	1115.56	35.2	1239.04	33.4	1115.56	35.6	1267.36	35.0	[illegible]
33.0	1089.00	34.8	1211.04	34.6	1197.16	33.2	1102.24	32.8	1075.84	35.2	1239[illegible]
33.0	1089.00	35.6	1267.36	33.2	1102.24	35.6	1267.36	36.2	1310.44	$N = 360$	
36.2	1310.44	36.5	1332.25	33.3	1108.89	35.0	1225.00	34.8	1211.04	$\Sigma X = 12{,}300.3$	
33.8	1142.44	32.8	1025.84	36.0	1296.00	36.0	1296.00	36.4	1324.96	$\Sigma X^2 = 421{,}816.17$	
33.8	1142.44	34.4	1183.36	35.2	1239.04	32.2	1036.84	38.0	1444.00	$\bar{X} = 3$[illegible]	
35.0	1225.00	34.4	1183.36	37.0	1369.00	35.0	1225.00	36.8	1354.24	$(\bar{X})^2 = 11$[illegible]	
35.8	1281.64	33.4	1115.56	33.8	1142.44	33.6	1128.96	34.0	1156.00	([illegible])	

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SCELOPORUS GRACIOSUS TEMPS
(BY AGE)

IMMATURE

X	X^2	X	X^2	X	X^2	X	X^2	X	X^2	X	X^2
29.2	852.64	31.0	961.00	30.0	900						
28.6	817.96	28.4	806.56	36.0	[illegible]						
35.6	1267.36	32.4	1049.76	34.8	[illegible]						
33.0	1089.00	36.4	1324.96	37.0	[illegible]						
31.0	961.00	36.0	1296.00	34.6	[illegible]						
28.8	829.44	31.8	1011.24	34.4	[illegible]						
29.2	852.64	34.5	1190.25	37.0	[illegible]						
35.2	1239.04	34.4	1183.36	34.4	[illegible]						
33.8	1142.44	33.2	1102.24	35.4	1253.16						
32.4	1049.76	36.0	1296.00	32.6	1062.76						
32.0	1024.00	34.3	1176.49	35.6	126[illegible]						
27.9	778.41	33.0	1089.00	34.0	115[illegible]						
33.2	1102.24	35.0	1225.00	33.2	1102.24						
34.0	1156.00	34.4	1183.36	36.4	1324.96						
34.0	1156.00	34.8	1211.04	$N = 73$							
31.6	998.56	32.8	1075.84	$\Sigma x = 2457.1$							
~~29.6~~	~~[illegible]~~	35.2	1239.04	$\Sigma x^2 = 83,038.37$							
35.6	1267.36	34.0	1156.00	$\bar{X} =$ [illegible]							
35.4	1253.16	36.0	1296.00	$(\bar{X})^2 =$ [illegible]							
30.8	948.64	35.2	1239.04	$s^2 = 5.2$[illegible]							
36.5	1332.25	33.0	1089.00	S.E. = $\sqrt{.07}$[illegible]							
33.4	1115.56	32.6	1062.76	= .268							
34.2	1169.64	36.4	132[illegible]								
34.0	1156.00	36.4	[illegible]								
34.3	1176.49	33.4	1115.56								
34.0	1156.00	33.4	1115.56								
33.0	1089.00	33.2	1102.24								
34.6	1197.16	36.8	1354.24								
34.0	1156.00	33.0	10[illegible]								
32.4	1049.76	33.0	[illegible]								

SCELOPORUS GRACIOSUS TEMPS
(BY AGE)

JUVENILE

x	x^2	x	x^2	x	x^2	x	x^2	x	x^2	x	x^2

SCELOPORUS
MAGISTER

SCELOPORUS
MAGISTER

[illegible] [illegible] [illegible]

TEMPERATURES

[illegible] [illegible] [illegible]

Morning

35.8
33.7
37.5
38.0
3[illegible].8
3[illegible].3
32.7
34.3
35.6
3[illegible].7
32.8
3[illegible].5
36.5

[illegible].8
[illegible].7
[illegible].9
[illegible]

N = 17
$\bar{X}$ TOTAL = [illegible]
$\bar{X}$ = 34.9

Afternoon

3[illegible].9
3[illegible].5
3[illegible].8
32.[illegible]
[illegible].2
[illegible].2

[illegible]
[illegible]
$\bar{X}$ = [illegible]

Morning

3[illegible].[illegible]
32.2
35.6
36.2
31.9
32.2
34.[illegible]
34.[illegible]
32.[illegible]
34.8
39.5

[illegible]
[illegible]
$\bar{X}$ = 34.[illegible]

Afternoon

31.8
34.2
34.9
37.6
31.1
25.3
28.4
27.9

N = 8
TOTAL = [illegible]
$\bar{X}$ = 31.[illegible]

SCELOPORUS magister TEMPS
(BY MONTH)

MARCH

x	x^2	x	x^2	x	x^2	x	x^2	x	x^2	x	x^2
34.0	1156.00										
31.0	961.00										
32.8	1075.84										
31.2	973.44										
33.2	1102.24										

$N = 5$

$\Sigma x = 162.2$

$\Sigma x^2 = 5268.52$

$\bar{x} =$ [illegible]

$(\bar{x})^2 = 105$[illegible]

$s^2 = 1.6$[illegible]

$s_{\bar{x}} = \sqrt{.338}$

$= .581$

SCELOPORUS magister TEMPS
(BY MONTH)

APRIL

x	x^2	x	x^2	x	x^2	x	x^2	x	x^2	x	x^2
32.6	1062.76										
33.9	1149.21										
34.9	1218.01										
34.6	1197.16										
32.4	1049.76										
22.6	510.76										
35.0	1225.00										
33.5	1122.25										
32.6	1062.76										
34.8	1211.04										
33.8	1142.44										
33.0	1089.00										
31.2	973.44										
33.6	1128.96										
33.0	1089.00										
33.4	1115.56										
33.6	1128.96										
33.8	1142.44										
34.2	1169.64										
34.4	1183.36										
36.4	1324.96										
34.8	1211.04										
32.0	1024.00										
34.0	1156.00										
33.6	1128.96										

$s^2 = 10.47$ [illegible]

$S.E = \sqrt{.4[illegible]}$

$= .6[illegible]$

$N = 25$

$\Sigma x = 831.7$

$\Sigma x^2 = 27{,}716.47$

$\bar{X}$ 33.26

$\bar{X}^2$ 1106.[illegible]

SCELOPORUS *MAGISTER* TEMPS
(BY MONTH)

MAY

x	x^2	x	x^2	x	x^2	x	x^2	x	x^2	x	x^2
30.4	924.16										
34.4	1183.36										
34.0	1156.00										
18.0	324.00										
34.0	1156.00										
34.0	1156.00										
34.8	1211.04										
~~33.5~~											
33.0	1089.00										
31.0	961.00										
(21.8)	475.24										

$N = 10$

$\Sigma x = 305.4$

$\Sigma x^2 = 9635.8$

$\bar{X} = 30.54$

$\bar{X}^2 = 932.[illegible]$

s^2 [illegible]

S.E. $= \sqrt{8.48}$

$= 1.[illegible]5$

SCELOPORUS MAGISTER TEMPS
(BY MONTH)

JUNE

x	x^2
34.6	1197.16
37.2	1383.84
35.4	1253.16
34.8	1211.04
34.6	1197.16
33.4	1115.56
37.0	1369.00
37.4	1398.76
34.2	1169.64
36.2	1310.44
35.2	1239.04
36.0	1296.00
38.4	1474.56
36.8	1354.24
36.0	1296.00
38.0	1444.00
38.8	1505.44
39.0	1521.00
34.6	1197.16
36.0	1296.00
34.4	1183.36
33.8	1142.44
34.4	1183.36
35.8	1281.64
36.6	1339.56
35.2	1239.04
36.0	1296.00
35.0	1225.00
34.0	1156.00

$N = 29$

$\Sigma x = 103[illegible]$

$\Sigma x^2 = 3[illegible]$

$\bar{X} = $ [illegible]

$(\bar{X})^2 = 12[illegible]3.07$

$s^2 = 2.38$

$S.E. = \sqrt{.082}$

$= .2$[illegible]

SCELOPORUS *magister* TEMPS
(BY MONTH)

JULY

x	x^2	x	x^2	x	x^2	x	x^2	x	x^2	x	x^2
37.0	1369.00	34.8	1211.04								
35.8	1281.64	34.4	1183.36								
33.9	1149.21	33.0	1089.00								
31.9	1017.61	32.5	1056.25								
37.5	1406.25	34.0	1156.00								
37.5	1406.25	34.2	1169.64								
38.0	1444.00	35.4	1253.16								
34.8	1211.04	33.8	1142.44								
33.3	1108.89	34.0	1156.00								
32.7	1069.29	36.0	1296.00								
34.3	1176.49										
35.6	1267.36										
33.4	1115.56										
32.0	1024.00										
36.2	1310.44										
32.8	1075.84										
32.5	1056.25										
36.5	1332.25										
33.8	1142.44										
35.7	1274.49										
40.2	1616.04										
36.9	1361.61										
35.6	1267.36										
32.8	1075.84										
29.6	876.16										
36.4	1324.96										
37.0	1369.00										
35.3	1246.09										
36.4	1324.96										
34.0	1156.00										

$N = 40$

$\Sigma X = 1391.5$

$\Sigma X^2 = 48,569.21$

$\bar{X} = 34.78$

$(\bar{X})^2 = 1209.64$

$s^2 = 4.71$

$S.E. = \sqrt{.118}$

$= .344$

SCELORORUS MAGISTER TEMPS
(BY MONTH)

AUGUST

x	x^2	x	x^2	x	x^2	x	x^2	x	x^2	x	x^2
36.2	1310.44	33.0	1089.00								
32.8	1075.84										
34.4	1183.36										
35.0	1225.00										
34.0	1156.00										
31.8	1011.24										
32.2	1036.84										
35.6	1267.36										
36.2	1310.44										
31.9	1017.61										
34.2	1169.64	35.4									
31.9	1017.61	34.8									
32.2	1036.84										
34.0	1156.00										
34.0	1156.00										
32.0	1024.00										
34.8	1211.04										
34.9	1218.01										
37.6	1413.76										
31.1	967.21										
28.3	800.89										
28.4	806.56										
27.9	778.41										
35.4	1253.16										
36.0	1296.00										
35.8	1281.64										
36.8	1354.24										
34.2	1169.64										
34.0	1156.00										
34.6	1197.16										

$N = 31$

$\Sigma X = 1041.2$

$\Sigma X^2 = 35{,}146.94$

$\bar{X} = 33.58$

$(\bar{X})^2 = 1127.61$

$s^2 = 6.37$

$S.E. = \sqrt{.205}$

$= .452$

SCELOPORUS magister TEMPS
(BY MONTH)

SEPTEMBER

x	x^2	x	x^2	x	x^2	x	x^2	x	x^2	x	x^2
35.7	1274.49										
35.1	1232.01										
35.2	1239.04										
34.8	1211.04										
34.2	1169.64										
34.5	1190.25										
33.0	1089.00										
33.8	1142.44										
33.6	1128.96										
33.4	1115.56										
33.7	1135.69										
31.5	992.25										
35.4	1253.16										
33.2	1102.24										
35.4	1253.16										

$N = 15$

$\Sigma X = 512.5$

$\Sigma X^2 = 17,528.93$

$\bar{X} = 34.16$

$(\bar{X})^2 = 1166.90$

$S^2 = 1.82$

$S.E. = \sqrt{.121}$

$= .348$

38.6
34.6
35.0
33.6

SCELOPORUS MAGISTER TEMPS

(BY MONTH)

OCTOBER

X	X^2	X	X^2	X	X^2	X	X^2	X	X^2	X	X^2
31.4	985.96										
34.8	1211.04										
36.0	1296.00										
34.9	1218.01										
35.1	1232.01										
33.9	1149.21										
35.3	1246.09										
32.9	1082.41										
32.9	1082.41										
34.1	1162.81										
35.0	1225.00										
32.6	1062.76										
31.0	961.00										
33.8	1142.44										

$N = 14$

$\Sigma X = 473.7$

$\Sigma X^2 = 16,057.15$

$\bar{X} = 33.83$

$(\bar{X})^2 = 1144.46$

$s^2 = 2.67$

$S.E. = \sqrt{.191}$

$= .437$

SCELOPORUS magister TEMPS
(BY SEX)

♂

X	X²	X	X²	X	X²	X	X²	X	X²	X	X²
32.8	1075.84	34.2	1169.64	31.2	973.44	36.0	1296.00				
35.7	1274.49	34.5	1190.25	33.6	1128.96	35.8	1281.64				
32.6	1062.76	33.6	1128.96	33.0	1089.00	33.0	1089.00				
37.0	1369.00	33.4	1115.56	33.4	1115.56	33.2	1102.24				
34.4	1183.36	33.7	1135.69	33.8	1142.44	33.0	1089.00				
35.0	1225.00	31.5	992.25	34.2	1169.64	31.0	961.00				
35.8	1281.64	35.4	1253.16	34.4	1183.36	35.4	1253.16				
33.9	1149.21	31.4	985.96	36.4	1324.96	21.8	[illegible]				
31.9	1017.61	35.1	1232.01	34.8	1211.04						
37.5	1406.25	35.3	1246.09	34.0	1156.00						
37.5	1406.25	32.9	1082.41	33.6	1128.96						
38.0	1444.00	34.1	1162.81	34.8	1211.04						
34.8	1211.04	32.6	1062.76	37.2	1383.84						
33.3	1108.89	31.0	961.00	35.4	1253.16						
34.3	1176.49	34.0	1156.00	34.6	1197.16						
35.6	1267.36	32.8	1075.84	37.0	1369.00						
32.8	1075.84	31.2	973.44	34.2	1169.64						
29.6	876.16	33.2	1102.24	36.2	1310.44	38.6					
37.0	1369.00	33.9	1149.21	36.0	1296.00	35.0					
31.8	1011.24	34.6	1197.16	38.0	1444.00						
32.2	1036.84	32.4	1049.76	34.6	1197.16						
35.6	1267.36	30.4	924.16	36.0	1296.00						
32.2	1036.84	34.0	1156.00	35.2	1239.04						
34.0	1156.00	34.0	1156.00	35.0	1225.00						
34.8	1211.04	35.0	1225.00	34.0	1156.00						
39.5	1560.25	33.5	1122.25	32.5	1056.25						
28.4	806.56	32.6	1062.76	34.0	1156.00						
27.9	778.41	34.8	1211.04	34.2	1169.64						
35.2	1239.04	33.8	1142.44	35.4	1253.16						
34.8	1211.04	33.0	1089.00	34.0	1156.00						

N = 96

$\Sigma X = 3327.7$

$\Sigma X^2 = 113,514.$[illegible]

$\bar{X}$ = [illegible]

$(\bar{X})^2$ = [illegible]

s^2 = [illegible]

S.E. = $\sqrt{.059}$

= .243

SCELOPORUS magister TEMPS
(BY SEX)

♀

x	x^2	x	x^2	x	x^2	x	x^2	x	x^2	x	x^2
36.2	1310.44	35.1	1232.01	35.8	1281.64						
34.6	1197.16	33.0	1089.00	36.6	1339.36						
32.7	1069.29	33.8	1142.44	36.0	1296.00						
33.4	1115.56	34.8	1211.04	34.8	1211.04						
32.0	1024.00	36.0	1296.00	34.4	1183.36						
36.2	1310.44	34.9	1218.01	33.0	1089.00						
32.8	1075.84	33.9	1149.21	33.8	1142.44						
32.5	1056.25	32.9	1082.41	36.0	1296.00						
36.5	1332.25	35.0	1225.00	35.4	1253.16						
33.8	1142.44	33.8	1142.44	36.8	1354.24						
35.7	1274.49	31.0	961.00	34.2	1169.64						
40.2	1616.04	34.9	1218.01	34.0	1156.00						
36.9	1361.61	22.6	510.76	34.6	1197.16						
35.6	1267.36	34.4	1183.36								
36.4	1324.96	18.0	324.00								
35.3	1246.09	34.0	1156.00								
36.4	1324.96	33.6	1128.96								
34.0	1156.00	32.0	1024.00								
34.0	1156.00	34.8	1211.04								
36.2	1310.44	33.4	1115.56								
31.9	1017.61	37.4	1398.76								
34.2	1169.64	35.2	1239.04	34.6							
31.9	1017.61	36.0	1296.00	33.6							
31.9	1017.61	38.4	1474.56								
34.0	1156.00	36.8	1354.24								
32.0	1024.00	38.8	1505.44								
34.9	1218.01	39.0	1521.00								
37.6	1413.76	34.4	1183.36								
31.1	967.21	33.8	1142.44								
28.3	800.89	34.4	1183.36								

$N = 73$

$\Sigma X = 2500.7$

$\Sigma X^2 = 86,361.05$

$\bar{X} = 34.25$

$(\bar{X})^2 =$ [illegible]

$s^2 =$ [illegible]

S.E. = $\sqrt{[illegible]}$

$= .371$

SCELOPORUS MAGISTER TEMPS (BY AGE)

ADULT

x	x^2	x	x^2	x	x^2	x	x^2	x	x^2	x	x^2
35.8	1281.64	31.4	985.96	34.8	1211.04	36.0	1296.00	34.0	1156.00		
33.9	1149.21	36.0	1296.00	33.8	1142.44	38.0	1444.00	34.6	1197.16		
31.9	1017.61	34.9	1218.01	33.0	1089.00	38.8	1505.44	33.0	1089.00		
37.5	1406.25	35.1	1232.01	31.2	973.44	39.0	1521.00	33.2	1102.24		
37.5	1406.25	33.9	1149.21	33.6	1128.96	34.6	1197.16	(21.8)	475.24		
38.0	1444.00	35.3	1246.09	33.0	1089.00	36.0	1296.00				
33.8	1142.44	32.9	1082.41	33.4	1115.56	34.4	1183.36				
35.7	1274.49	32.9	1082.41	33.6	1128.96	33.8	1142.44				
40.2	1616.04	34.1	1162.81	33.8	1142.44	34.4	1183.36				
36.9	1361.61	35.0	1225.00	34.2	1169.64	35.8	1281.64				
35.6	1267.36	32.6	1062.76	34.4	1183.36	36.6	1339.56				
29.6	876.16	31.0	961.00	36.4	1324.96	35.2	1239.04				
36.4	1324.96	33.8	1142.44	34.8	1211.04	36.0	1296.00				
34.0	1156.00	34.0	1156.00	32.0	1024.00	35.0	1225.00				
31.9	1017.61	32.8	1075.84	34.0	1156.00	34.0	1156.00	38.6			
34.2	1169.64	31.2	973.44	33.6	1128.96	34.8	1211.04	34.6			
31.9	1017.61	33.2	1102.24	34.8	1211.04	34.4	1183.36	35.0			
31.9	1017.61	33.9	1149.21	37.2	1383.84	33.0	1089.00	33.6			
32.2	1036.84	34.9	1218.01	35.4	1253.16	32.5	1056.25				
34.0	1156.00	34.6	1197.16	34.8	1211.04	34.0	1156.00				
34.8	1211.04	32.4	1049.76	34.6	1197.16	34.2	1169.64				
39.5	1560.25	22.6	510.76	33.4	1115.56	35.4	1253.16				
34.9	1218.01	30.4	924.16	37.0	1369.00	33.8	1142.44				
28.3	800.89	34.0	1156.00	37.4	1398.76	34.0	1156.00				
28.4	806.56	18.0	324.00	34.2	1169.64	36.0	1296.00				
35.2	1239.04	34.0	1156.00	36.2	1310.44	35.4	1253.16				
34.2	1169.64	34.0	1156.00	35.2	1239.04	36.0	1296.00				
34.5	1190.25	35.0	1225.00	36.0	1296.00	35.8	1281.64				
33.6	1128.96	33.5	1122.25	38.4	1474.56	36.8	1354.24				
35.4	1253.16	32.6	1062.76	36.8	1354.24	34.2	1169.64				

$N = 125$

$\Sigma x = 4268.2$

$\Sigma x^2 = 146,717.92$

$\bar{x} =$ [illegible]

$(\bar{x})^2 =$ [illegible]

$s^2 = 9.96$

$s = \sqrt{[illegible]}$

$=$ [illegible]

SCELOPORUS MAGISTER TEMPS
(BY AGE)

IMMATURE

x	x^2	x	x^2	x	x^2	x	x^2	x	x^2	x	x^2
36.2	1310.44	27.9	778.41								
32.8	1075.84	35.1	1232.51								
32.6	1062.76	34.8	1211.04								
34.6	1197.16	33.0	1089.00								
37.0	1369.00	33.8	1142.44								
34.4	1183.36	33.4	1115.56								
34.8	1211.04	33.7	1135.69								
33.3	1108.89	31.5	992.25								
32.7	1069.29	34.8	1211.04								
34.3	1176.49	31.0	961.00								
35.6	1267.36	34.4	1183.36								
33.4	1115.56	33.0	1089.00								
32.0	1024.00	31.0	961.00								
36.2	1310.44	35.4	1253.16								
32.8	1075.84										
32.5	1056.25										
36.5	1332.25										
32.8	1075.84										
37.0	1369.00										
35.3	1246.09										
36.4	1324.96										
34.0	1156.00										
31.8	1011.24										
32.2	1036.84	35.4									
35.6	1267.36	34.8									
36.2	1310.44										
34.0	1156.00										
32.0	1024.00										
37.6	1413.76										
31.1	967.21										

$N = 44$

$\Sigma X = 1490.5$

$\Sigma X^2 = 50,660.17$

$\bar{X} = 33.87$

$(\bar{X})^2 = 1147.17$

$S^2 = 4.30$

$S.E. = \sqrt{.098}$

$= .313$

SCELOPORUS MAGISTER TEMPS
(BY AGE)

JUVENILE

X	X^2	X	X^2	X	X^2	X	X^2	X	X^2	X	X^2
35.7	1274.49										
35.0	1225.00										

$N = 2$

$\Sigma X = 70.7$

$\Sigma X^2 = 2499.49$

$\bar{X} = 35.35$

$(\bar{X})^2 = 1249.62$

SCELOPORUS
OCCIDENTALIS

SCELOPORUS
OCCIDENTALIS

Sceloporus occidentalis Temps.
(By Month)

JANUARY

X	X^2	X	X^2
25.6	655.36		
32.0	1024.00		
33.8	1142.44		

N = 3

$\Sigma X = 91.4$

$\Sigma X^2 = 2821.8$

$\bar{X} = 30.46$

$(\bar{X})^2 =$ [illegible]

30.6	936.36
34.4	1183.36
33.0	1089.00
35.2	1239.04
33.8	1142.44
35.2	1239.04

N = 9

$\Sigma X = 293.6$

$\Sigma X^2 = 9651.04$

$\bar{X} = 32.6$

$(\bar{X})^2 = 1062.76$

Range = 25.6 – 35.2

$$S^2 = \frac{9651.04 - 9(1062.76)}{8} = \frac{86.20}{8} = 10.77$$

$$SE = \sqrt{\frac{10.77}{9}} = \sqrt{1.20} = 1.1$$

2 SE
30.4
34.8

SCELOPORUS OCCIDENTALIS TEMPS
(BY MONTH)

FEBRUARY

x	x^2	x	x^2	x	x^2	x	x^2	x	x^2	x	x^2
31.8	1011.24										
35.4	1253.16										
35.2	1239.04										
33.0	1089.00										

$N = 4$
$\Sigma x = 135.4$
$\Sigma x^2 = 4592.44$
$\bar{x} = [illegible].85$
$\bar{x}^2 = 1145.82$

x	x^2
34.8	1211.04
36.8	1354.24
35.8	1281.64
35.5	1260.25
35.0	1225.00
35.0	1225.00
35.8	1281.64
35.0	1225.00
32.0	1024.00
35.8	1281.64

$$s^2 = \frac{17051.89 - 14(1211.04)}{13} = \frac{97.33}{13} = 7.48$$

$$SE = \sqrt{\frac{7.48}{14}} = \sqrt{.53} = .73$$

$N = 14$
$\Sigma x = [illegible]$
$\Sigma x^2 = 17051.89$
$\bar{x} = 34.8$
$(\bar{x})^2 = 1211.04$
Range = 31.[illegible] – [illegible]

2SE
33.3
36.3

SCELOPORUS occidentalis TEMPS (BY MONTH)

MARCH

X	X^2	X	X^2	X	X^2	X	X^2	X	X^2	X	X^2
15.0	225.00	35.6	1267.36								
36.4	1324.96	33.0	1089.00								
27.7	767.29	36.0	1296.00								
34.2	1169.64	35.2	1239.04								
34.2	1169.64	34.6	1197.16								
37.0	1369.00	34.2	1169.64								
30.5	930.25	34.2	1169.64								
35.8	1281.64	34.6	1197.16								
35.0	1225.00	35.0	1225.00								
35.0	1225.00	26.2	686.44								
36.2	1310.44	32.0	1024.00								
34.8	1211.04	34.8	1211.04								
35.6	1267.36	34.0	1156.00								
37.8	1428.84	34.4	1183.36								
34.4	1183.36	34.8	1211.04								
33.0	1089.00	33.8	1142.44								
35.5	1260.25	34.0	1156.00								
32.4	1049.76										
35.0	1225.00										
33.2	1102.24										
34.4	1183.36										
35.2	1239.04										
35.6	1267.36										
32.2	1036.84										
33.8	1142.44										
33.8	1142.44										
32.8	1075.84										
33.6	1128.96										
34.4	1183.36										
33.6	1128.96										

$N = 47$

$\Sigma X = 1584.5$

$\Sigma X^2 = 53,963.63$

$\bar{X} = 33.71$

$(\bar{X})^2 = 1136.36$

$S^2 = 12.06$

$S.E. = \sqrt{.256}$

$= .50$

SCELOPORUS occidentalis TEMPS
(BY MONTH)

APRIL

x	x^2	x	x^2	x	x^2	x	x^2	x	x^2	x	x^2
34.8	1211.04	33.2	1102.24								
33.0	1089.00	32.8	1075.84								
35.0	1225.00	34.0	1156.00								
34.1	1162.81	35.8	1281.64								
32.2	1036.84	33.4	1115.56								
34.0	1156.00	31.2	973.44								
33.3	1108.89	34.6	1197.16								
34.7	1204.09	32.4	1049.76								
35.0	1225.00	36.0	1296.00								
35.4	1253.16	36.2	1310.44								
35.4	1253.16	34.4	1183.36								
34.8	1211.04	31.7	1004.89								
35.5	1260.25	33.4	1115.56								
33.1	1095.61										
30.8	948.64										
28.8	829.44										
35.8	1281.64										
31.3	979.69										
34.8	1211.04										
35.8	1281.64										
34.4	1183.36										
35.4	1253.16										
35.9	1288.81										
34.0	1156.00										
35.4	1253.16										
34.2	1169.64										
34.8	1211.04										
34.6	1197.16										
30.6	936.36										
35.4	1253.16										

$N = 43$

$\Sigma X = 1461.4$

$\Sigma X^2 = 49{,}787.$[illegible]

$\bar{X} =$ [illegible]

$(\bar{X})^2 =$ [illegible]

$s^2 =$ [illegible]

$s_{\bar{x}} = \sqrt{.076}$

$= .276$

SCELOPORUS occidentalis TEMPS
(BY MONTH)

MAY

x	x^2
36.4	1324.96
30.0	900.00
32.8	1075.84
37.0	1369.00
36.8	1354.24
36.4	1324.96
36.0	1296.00
35.2	1239.04
34.8	1211.04
32.6	1062.76
36.0	1296.00
36.8	1354.24
34.8	1211.04
35.0	1225.00
36.8	1354.24
34.0	1156.00
33.4	1115.56
31.4	985.96
33.0	1089.00
34.0	1156.00
34.2	1169.64
37.8	1428.84
34.4	1183.36
31.8	1011.24
35.6	1267.36
33.2	1102.24
33.0	1089.00

$\bar{X} = 34.56$

$\bar{X}^2$ = [illegible]

$s^2 = 4.00$

$s = \sqrt{.148}$

$= .385$

$N = 27$

$\Sigma X = 933.2$

$\Sigma X^2 = 32,352.56$

SCELOPORUS occidentalis TEMPS
(BY MONTH)

JUNE

x	x^2	x	x^2	x	x^2	x	x^2	x	x^2	x	x^2
33.4	1115.56	37.5	1406.25								
35.8	1281.64	35.8	1281.64								
34.0	1156.00	35.8	1281.64								
35.0	1225.00	32.8	1075.84								
35.0	1225.00	33.8	1142.44								
35.8	1281.64	34.8	1211.04								
34.2	1169.64	35.6	1267.36								
32.2	1036.84	32.0	1024.00								
32.0	1024.00	29.5	870.25								
35.2	1239.04	32.1	1030.41								
34.6	1197.16	31.2	973.44								
37.2	1383.84	32.0	1024.00								
39.0	1521.00	36.0	1296.00								
36.0	1296.00	34.6	1197.16								
34.0	1156.00	34.6	1197.16								
34.0	1156.00	34.0	1156.00								
32.4	1049.76	29.6	876.16								
32.8	1075.84										
34.8	1211.04										
34.0	1156.00										
36.8	1354.24										
37.0	1369.00										
35.0	1225.00										
35.0	1225.00										
32.6	1062.76										
34.0	1156.00										
36.5	1332.25										
34.2	1169.64										
32.8	1075.84										
36.2	1310.44										

$N = 47$

$\Sigma X = 1613.2$

$\Sigma X^2 = 55{,}547.1$[illegible]

$\bar{X} =$ [illegible]

$(\bar{X})^2 = 117$[illegible]

$s^2 = 4.1$[illegible]

$S.E. = \sqrt{.087}$

$= .295$

SCELOPORUS occidentalis TEMPS
(BY MONTH)

JULY

x	x^2	x	x^2	x	x^2	x	x^2	x	x^2	x	x^2
27.4	750.76	35.2	1239.04								
36.2	1310.44	37.9	1436.41								
36.4	1324.96	38.0	1444.00								
31.0	961.00	38.2	1459.24								
30.0	900.00	35.0	1225.00								
32.8	1075.84	35.0	1225.00								
33.2	1102.24	31.6	998.56								
34.2	1169.64	33.8	1142.44								
34.1	1162.81	34.0	1156.00								
33.4	1115.56	32.8	1075.84								
38.0	1444.00	35.5	1260.25								
36.6	1339.56	37.6	1413.76								
33.2	1102.24	33.7	1135.69								
34.2	1169.64	34.2	1169.64								
34.0	1156.00	34.4	1183.36								
37.5	1406.25	34.6	1197.16								
31.9	1017.61	37.0	1369.00								
35.2	1239.04	30.5	930.25								
34.4	1183.36										
34.7	1204.09										
34.2	1169.64										
31.8	1011.24										
34.4	1183.36										
31.5	992.25										
32.8	1075.84										
35.6	1267.36										
33.9	1149.21										
36.2	1310.44										
36.1	1303.21										
33.7	1135.69										

$N = 48$

$\Sigma X = 1647.6$

$\Sigma X^2 = 56{,}793.92$

$\bar{X} = 34.32$

$(\bar{X})^2 = 1177.86$

$S^2 = 5.46$

$S.E. = \sqrt{0.114}$

$= .338$

Sceloporus occidentalis Temps.
(By Month)

AUGUST

x	x^2	x	x^2	x	x^2	x	x^2	x	x^2	x	x^2
35.0	1225.00	35.8	1281.64								
34.6	1197.16	35.8	1281.64								
31.0	961.00	35.2	1239.04								
34.4	1183.36	29.2	852.64								
34.4	1183.36	38.4	1474.56								
34.2	1169.64	36.6	1339.56								
33.1	1095.61	35.0	1225.00								
36.2	1310.44	32.0	1024.00								
38.0	1444.00	31.0	961.00								
31.4	985.96	37.8	1428.84								
33.2	1102.24	35.0	1225.00								
34.5	1190.25	36.1	1303.21								
32.4	1049.76	36.1	1303.21								
34.1	1162.81										
34.5	1190.25										
33.8	1142.44										
33.0	1089.00										
33.5	1122.25										
35.2	1239.04										
33.7	1135.69										
34.3	1176.49										
35.1	1232.01										
33.7	1135.69										
34.6	1197.16										
35.7	1274.49										
34.8	1211.04										
36.6	1339.56										
31.5	992.25										
31.7	1004.89										
31.5	992.25										

$N = 43$

$\Sigma x = 1473.4$

$\Sigma x^2 = 50,674.43$

$\bar{x} =$ [illegible]

$(\bar{x})^2 = 1174.43$

$s^2 = 4.14$

$S.E. = \sqrt{.096}$

$= .398$

SCELOPORUS occidentalis TEMPS
(BY MONTH)

SEPTEMBER

x	x^2	x	x^2	x	x^2	x	x^2	x	x^2	x	x^2
35.4	1253.16										
32.8	1075.84										
26.8	718.24										
28.4	806.56										
32.4	1049.76										
34.8	1211.04										
32.2	1036.84										
35.7	1274.49										
35.7	1274.49										
33.7	1135.69										
37.1	1376.41										
32.5	1056.25										
24.6	605.16										
29.2	852.64										
29.2	852.64										

$N = 15$

$\Sigma x = 480.5$

Σx^2 [illegible] 15 = 79.21

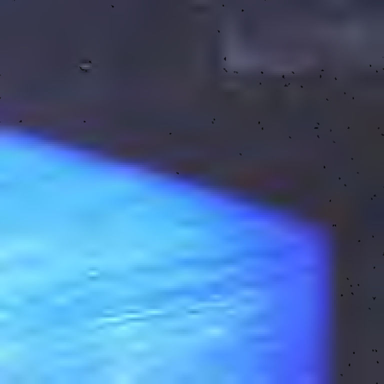
$\bar{X}$ = [illegible]

$(\bar{X})^2 = 10$[illegible]

$S^2 = 13.$[illegible]

[illegible] = $\sqrt{.907}$

= .95[illegible]



SCELOPORUS OCCIDENTALIS TEMPS
(BY MONTH)

OCTOBER

x	x^2	x	x^2	x	x^2	x	x^2	x	x^2	x	x^2
35.0	1225.00										
36.6	1339.56										
34.4	1183.36										
36.0	1296.00										
34.8	1211.04										
33.4	1115.56										
33.1	1095.61										
31.9	1017.61										
31.8	1011.24										
31.3	979.69										

$N = 10$

$\Sigma X = 338.3$

$\Sigma X^2 = 11,474.67$

$\bar{X} = 33.83$

$(\bar{X})^2 = 1144.46$

$S^2 = 3.34$

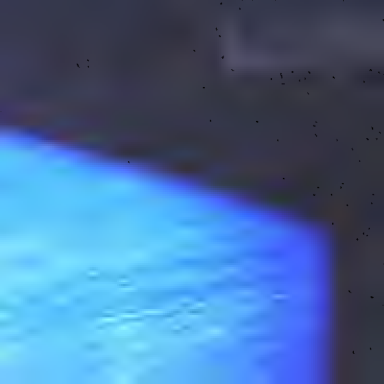
$S.E. = \sqrt{.334}$

$= .578$

SCELOPORUS *occidentalis* TEMPS
(BY SEX)

♂

X	X^2	X	X^2	X	X^2	X	X^2	X	X^2	X	X^2
31.0	961.00	32.4	1049.76	33.0	1089.00	33.8	1142.44	32.4	1049.76	32.6	1062.76
30.0	900.00	34.1	1162.81	34.1	1162.81	33.8	1142.44	30.0	900.00	34.0	1156.00
32.8	1075.84	34.5	1190.25	32.2	1036.84	35.4	1253.16	32.8	1075.84	36.5	1332.25
33.2	1102.24	33.8	1142.44	34.0	1156.00	35.8	1281.64	37.0	1369.00	34.2	1169.64
34.2	1169.64	33.0	1089.00	34.7	1204.09	34.4	1183.36	35.2	1239.04	36.2	1310.44
34.1	1162.81	33.5	1122.25	35.4	1253.16	33.6	1128.96	36.8	1354.24	37.5	1406.25
33.4	1115.56	34.3	1176.49	35.4	1253.16	35.6	1267.36	34.8	1211.04	35.8	1281.64
38.0	1444.00	35.1	1232.01	35.5	1260.25	36.0	1296.00	35.0	1225.00	32.8	1075.84
36.6	1339.56	34.6	1197.16	30.8	948.64	35.2	1239.04	34.0	1156.00	33.8	1142.44
34.0	1156.00	36.6	1339.56	35.8	1281.64	34.6	1197.16	31.4	985.96	35.6	1267.36
37.5	1406.25	31.7	1004.89	34.8	1211.04	34.2	1169.64	33.0	1089.00	29.5	870.25
35.2	1239.04	35.8	1281.64	35.8	1281.64	34.2	1169.64	34.0	1156.00	34.0	1156.00
34.7	1204.09	35.8	1281.64	34.4	1183.36	34.6	1197.16	34.2	1169.64	32.8	1075.84
31.8	1011.24	29.2	852.64	35.4	1253.16	32.0	1024.00	37.8	1428.84	34.4	1183.36
31.5	992.25	32.8	1075.84	35.9	1288.81	34.0	1156.00	34.4	1183.36	31.7	1004.89
32.8	1075.84	26.8	718.24	31.8	1011.24	34.4	1183.36	31.8	1011.24	33.4	1115.56
35.6	1267.36	32.4	1049.76	34.2	1169.64	34.8	1211.04	35.0	1225.00	35.6	1267.36
33.7	1135.69	34.8	1211.04	37.0	1369.00	33.8	1142.44	35.0	1225.00	33.2	1102.24
35.2	1239.04	32.2	1036.84	35.8	1281.64	34.2	1169.64	35.8	1281.64	33.0	1089.00
37.9	1436.41	35.7	1274.49	35.0	1225.00	30.6	936.36	34.2	1169.64	32.1	1030.41
31.6	998.56	32.5	1056.25	35.0	1225.00	35.4	1253.16	32.2	1036.84	34.0	1156.00
34.6	1197.16	35.0	1225.00	34.8	1211.04	33.2	1102.24	35.2	1239.04	29.6	876.16
31.0	961.00	36.6	1339.56	34.4	1183.36	32.8	1075.84	39.0	1521.00	37.6	1413.76
34.4	1183.36	34.4	1183.36	35.5	1260.25	34.0	1156.00	34.0	1156.00	33.7	1135.69
34.4	1183.36	33.4	1115.56	32.4	1049.76	35.8	1281.64	32.4	1049.76	34.2	1169.64
34.2	1169.64	31.8	1011.24	35.0	1225.00	36.4	1324.96	34.8	1211.04	34.4	1183.36
33.1	1095.61	36.4	1324.96	33.2	1102.24	29.2	852.64	34.0	1156.00	35.0	1225.00
36.2	1310.44	27.7	767.29	34.4	1183.36	33.4	1115.56	36.8	1354.24	32.0	1024.00
38.0	1444.00	34.2	1169.64	35.6	1267.36	31.2	973.44	37.0	1369.00	36.1	1303.21
34.5	1190.25	34.8	1211.04	32.2	1036.84	34.6	1197.16	35.0	1225.00	35.4	1253.16
33.0	1089.00										



Sceloporus occidentalis Temp

♂

$N = 181$

$\Sigma X = 6170.3$

ΣX^2 213068.9

$\overline{X}$ 34.1

$(\overline{X})^2$ 1162.8

s^2 14.4

S.E. $\sqrt{.08} =$

$= .28$

SCELOPORUS *occidentalis* TEMPS (BY SEX)

♀

x	x^2	x	x^2	x	x^2	x	x^2	x	x^2	x	x^2
15.0	225.00	36.6	1339.56	33.0	1089.00	31.2	973.44				
27.4	750.76	35.4	1253.16	35.0	1225.00	32.0	1024.00				
36.2	1310.44	28.4	806.56	26.2	686.44	36.0	1296.00				
36.4	1324.96	35.7	1274.49	34.8	1211.04	34.6	1197.16				
33.2	1102.24	33.7	1135.69	34.0	1156.00	34.6	1197.16				
34.2	1169.64	37.1	1376.41	34.8	1211.04	35.5	1260.25				
31.9	1017.61	24.6	605.16	34.6	1197.16	34.6	1197.16				
34.4	1183.36	36.0	1296.00	29.2	852.64	37.0	1369.00				
34.2	1169.64	34.8	1211.04	36.0	1296.00	30.5	930.25				
[illegible]		33.1	1095.61	36.2	1310.44	31.0	961.00				
34.4	1183.36	31.9	1017.61	36.8	1354.24	37.8	1428.84				
33.9	1149.21	31.3	979.69	36.4	1324.96	35.0	1225.00				
36.2	1310.44	35.0	1225.00	36.0	1296.00	36.1	1303.21				
36.1	1303.21	33.3	1108.89	34.8	1211.04	25.6	655.36				
38.0	1444.00	35.0	1225.00	32.6	1062.76	32.0	1024.00				
38.2	1459.24	34.8	1211.04	36.0	1296.00	33.8	1142.44				
35.0	1225.00	33.1	1095.61	36.8	1354.24	35.2	1239.04				
35.0	1225.00	28.8	829.44	33.4	1115.56						
35.0	1225.00	31.3	979.69	32.0	1024.00						
31.4	985.96	34.0	1156.00	34.6	1197.16						
33.2	1102.24	30.5	930.25	37.2	1383.84						
35.2	1239.04	36.2	1310.44	36.0	1296.00						
33.7	1135.69	35.6	1267.36	34.0	1156.00						
33.7	1135.69	37.8	1428.84	32.8	1075.84						
35.7	1274.49	33.0	1089.00	35.0	1225.00						
34.8	1211.04	35.2	1239.04	32.8	1075.84						
31.5	992.25	32.8	1075.84	35.8	1281.64						
31.5	992.25	33.4	1115.56	34.8	1211.04						
35.2	1239.04	34.0	1156.00	32.0	1024.00						
38.4	1474.56	33.6	1128.96	33.8	1142.44						

Erased calculation (boxed, faint):

$N = 287$

$\Sigma X = 9759.2$

$\Sigma X^2 = 333{,}588.34$

$\bar{X} = 34.0$[illegible]

$(\bar{X})^2 = 1156.$[illegible]

$S^2 = 3.35$

$S.E. = \sqrt{.012}$

$= .11$

$N = 106$

$\Sigma X = 3584.3$

$\Sigma X^2 = 121471.8$

$\bar{X} = 33.8$

$(\bar{X})^2 = 1142.4$

$S^2 = 3.59$

$S.E. = \sqrt{.03}$

$= .17$

SCELOPORUS OCCIDENTALIS TEMPS
(BY AGE)
ADULT

x	x^2	x	x^2	x	x^2	x	x^2	x	x^2	x	x^2
15.0	225.00	33.7	1135.69	31.5	992.25	34.2	1169.64	35.6	1267.36	34.4	1183.36
27.4	750.76	35.2	1239.04	35.8	1281.64	34.8	1211.04	37.8	1428.84	34.8	1211.04
36.2	1310.44	37.9	1436.41	35.8	1281.64	33.0	1089.00	34.4	1183.36	33.8	1142.44
36.4	1324.96	38.0	1444.00	35.2	1239.04	35.0	1225.00	33.0	1089.00	34.0	1156.00
31.0	961.00	38.2	1459.24	29.2	852.64	34.1	1162.81	35.5	1260.25	34.2	1169.64
30.0	900.00	35.0	1225.00	38.4	1474.56	32.2	1036.84	32.4	1049.76	34.8	1211.04
32.8	1075.84	35.0	1225.00	36.6	1339.56	34.0	1156.00	35.0	1225.00	34.6	1197.16
33.2	1102.24	31.6	998.56	35.4	1253.16	33.3	1108.89	34.4	1183.36	30.6	936.36
34.2	1169.64	35.0	1225.00	32.8	1075.84	34.7	1204.09	35.2	1239.04	35.4	1253.16
34.1	1162.81	34.6	1197.16	26.8	718.24	35.0	1225.00	35.6	1267.36	33.2	1102.24
33.4	1115.56	31.0	961.00	28.4	806.56	35.4	1253.16	32.2	1036.84	32.8	1075.84
38.0	1444.00	34.4	1183.36	32.4	1049.76	35.4	1253.16	33.8	1142.44	35.8	1281.64
36.6	1339.56	34.4	1183.36	34.8	1211.04	35.5	1260.25	32.8	1075.84	36.4	1324.96
33.2	1102.24	34.2	1169.64	32.2	1036.84	33.1	1095.61	34.0	1156.00	29.2	852.64
34.2	1169.64	33.1	1095.61	35.7	1274.49	30.8	948.64	33.6	1128.96	29.2	852.64
34.0	1156.00	38.0	1444.00	33.7	1135.69	28.8	829.44	34.4	1183.36	33.4	1115.56
37.5	1406.25	31.4	985.96	32.5	1056.25	35.8	1281.64	33.6	1128.96	31.2	973.44
31.9	1017.61	33.2	1102.24	24.6	605.16	31.3	979.69	35.6	1267.36	34.6	1197.16
35.2	1239.04	34.5	1190.25	35.0	1225.00	34.8	1211.04	33.0	1089.00	32.4	1049.76
34.4	1183.36	34.1	1162.81	36.6	1339.56	35.8	1281.64	36.0	1296.00	36.0	1296.00
34.7	1204.09	34.5	1190.25	34.4	1183.36	34.4	1183.36	35.2	1239.04	36.2	1310.44
34.2	1169.64	33.7	1135.69	36.0	1296.00	35.9	1288.81	34.6	1197.16	30.0	900.00
31.8	1011.24	34.3	1176.49	34.8	1211.04	34.0	1156.00	34.2	1169.64	32.8	1075.84
34.4	1183.36	33.7	1135.69	33.4	1115.56	34.2	1169.64	34.2	1169.64	37.0	1369.00
31.5	992.25	34.6	1197.16	33.1	1095.61	37.0	1369.00	34.6	1197.16	36.8	1354.24
32.8	1075.84	35.7	1274.49	31.9	1017.61	30.5	930.25	35.0	1225.00	36.4	1324.96
35.6	1267.36	34.8	1211.04	31.8	1011.24	35.8	1281.64	26.2	686.44	36.0	1296.00
33.9	1149.21	36.6	1339.56	31.3	979.69	35.0	1225.00	32.0	1024.00	35.2	1239.04
36.2	1310.44	31.5	992.25	36.4	1324.96	35.0	1225.00	34.8	1211.04	34.8	1211.04
36.1	1303.21	31.7	1004.89	27.7	767.29	34.8	1211.04	34.0	1156.00	32.6	1062.76

SCELOPORUS occidentalis TEMPS (BY AGE)

ADULT

x	x^2	x	x^2	x	x^2	x	x^2	x	x^2	x	x^2
36.0	1296.00	36.8	1354.24	36.0	1296.00						
36.8	1354.24	37.0	1369.00	37.6	1413.76						
34.8	1211.04	35.0	1225.00	35.5	1260.25						
35.0	1225.00	35.0	1225.00	33.7	1135.69						
36.8	1354.24	32.6	1062.76	34.2	1169.64						
34.0	1156.00	34.0	1156.00	34.4	1183.36						
33.4	1115.56	36.5	1332.25	34.6	1197.16						
31.4	985.96	34.2	1169.64	37.0	1369.00						
33.0	1089.00	32.8	1075.84	30.5	930.25						
34.0	1156.00	36.2	1310.44	31.0	961.00						
34.2	1169.64	37.5	1406.25	37.8	1428.84						
37.8	1428.84	35.8	1281.64	35.0	1225.00						
34.4	1183.36	35.8	1281.64	36.1	1303.21						
31.8	1011.24	32.8	1075.84	36.1	1303.21						
35.0	1225.00	33.8	1142.44	25.6	655.36						
35.0	1225.00	34.8	1211.04	35.4	1253.16						
34.2	1169.64	35.6	1267.36	35.2	1239.04						
32.2	1036.84	32.0	1024.00								
32.0	1024.00	29.5	870.25								
35.2	1239.04	33.8	1142.44								
34.6	1197.16	34.0	1156.00								
37.2	1383.84	32.8	1075.84								
39.0	1521.00	33.4	1115.56								
36.0	1296.00	31.7	1004.89								
34.0	1156.00	34.4	1183.36								
34.0	1156.00	35.6	1267.36								
32.4	1049.76	33.2	1102.24								
32.8	1075.84	32.1	1030.41								
34.8	1211.04	31.2	973.44								
34.0	1156.00	32.0	1024.00								

$N = 257$

$\sum X = 87$[illegible]

$\sum X^2 = 296,605.92$

$\bar{X} = 33.99$

$(\bar{X})^2 = 1155.32$

$S^2 =$ [illegible]

$S.E. =$ [illegible]

$= .161$

SCELOPORUS OCCIDENTALIS TEMPS (BY AGE)

IMMATURE

x	x^2	x	x^2	x	x^2	x	x^2	x	x^2	x	x^2
36.2	1310.44										
32.4	1049.76										
33.8	1142.44										
33.0	1089.00										
33.5	1122.25										
35.2	1239.04										
35.1	1232.01										
35.7	1274.49										
37.1	1376.41										
34.8	1211.04										
35.4	1253.16										
31.8	1011.24										
36.2	1310.44										
33.2	1102.24										
33.8	1142.44										
35.4	1253.16										
33.4	1115.56										
35.8	1281.64										
34.0	1156.00										
35.8	1281.64										
33.0	1089.00										
34.6	1197.16										
34.6	1197.16										
34.0	1156.00										
29.6	876.16										
35.0	1225.00										
32.0	1024.00										
32.0	1024.00										
33.8	1142.44										
33.0	1089.00										

$N = 30$

$\Sigma x = 1023.2$

$\Sigma x^2 = 34{,}974.32$

$\bar{x} = 34.10$

$(\hat{\bar{x}})^2 =$ [illegible]

$s^2 = 3.16$

$S.E. = \sqrt{.103}$

$= .321$

SCELOPORUS OCCIDENTALIS TEMPS
(BY AGE)

JUVENILE

x	x^2	x	x^2	x	x^2	x	x^2	x	x^2	x	x^2

Sceloporus orcutti

Sceloporus orcutti

TIME SIGHTINGS REPORTED [illegible] BY MONTH

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0530							2					
0600							1	1	1			
0630							3	3	5			
0700						5	3	10	1			
0730						5	1	8	1			
0800		3				3	7	5	1	1		
0830		3		1	1	6	9	7	5	1		
0900	1	3		3	3	5	10	2	6	5		
0930	1	3		1	6	3	11	5	1	5	1	
1000	3	4	3	6	1	1	10	5	2	2	1	
1030	3	2		5	1	1	7	2	2	6	2	
1100	7		1	4	1		7			7	4	
1130	1		6	7						2	1	
1200	4		2	5						3	1	
1230	8		7	2		1				2	6	
1300	13	4	8	1	4	2	1			1	8	
1330	13	7	10	3	1	2	1			1	3	
1400	10	10	4	3	3	1	1			2	2	
1430	3	13	4	3						2	1	
1500	4	11	1		1		3			2		
1530		3	4				5			2		
1600							1			2		
1630			1				5			2		
1700							1			1		
1730							2					
1800							2	1				
1830												
1900												
1930												
2000												

Sceloporus orcutti Temps.
(By Month)

January

x	x^2
28.4	806.56
26.8	718.24
31.8	1011.24
32.0	1024.00
27.8	772.84
22.6	510.76
26.4	696.96
28.0	784.00

x	x^2
25.8	665.64
30.2	912.04
29.2	852.64
32.5	1056.25
28.8	829.44
28.2	795.24
24.0	576.00

[illegible]

$S = \sqrt{\frac{.95}{[illegible]}} = \sqrt{[illegible]} = .63$

[illegible]

(1964 – no hibernation this winter)

x	x^2
27.0	729.00
35.0	1225.00
25.2	635.04
30.4	924.16
35.4	1253.16
32.0	1024.00
31.6	998.56
31.8	1011.24
27.4	750.76
33.6	1128.96
32.8	1075.84
36.4	1324.96
33.0	1089.00
32.2	1036.84
35.8	1281.64
32.0	1024.00
34.6	1197.16
30.0	900.00
30.2	912.04
25.6	655.36

$$s^2 = \frac{\Sigma x^2 - N(\bar{x})^2}{N-1}$$

$$s^2 = \frac{20176.72 - 20(998.[illegible])}{19}$$

$$s^2 = \frac{205.52}{19} = 10.81$$

$$S.E. = \sqrt{\frac{10.81}{20}} = \sqrt{.54} = .74$$

[±1.5° at 95% level]
[30.1° — 33.1°]

$N = 20$
$\Sigma x = [illegible]$
$\Sigma x^2 = 20176.72$

$\bar{X} = 31.6°C$
$|\bar{X}|^2 = 998.[illegible]$

Sceloporus orcutti Temps.
(By Month)

February

(M)

X	X^2
25.6	655.36
20.6	424.36
31.8	1011.24
24.8	615.04
33.6	1128.96
32.8	1075.84
36.6	1339.56
31.6	998.56
35.2	1239.04
31.6	998.56
32.6	1062.76
29.5	870.25
31.6	998.56
36.0	1296.00
34.6	1197.16
29.0	841.00
33.4	1115.56
32.0	1024.00
32.0	1024.00
32.0	1024.00
29.0	841.00
34.0	1156.00
32.0	1024.00
30.0	900.00
32.0	1024.00
32.0	1024.00
30.0	900.00
32.2	1036.84
30.0	900.00
31.6	998.56
32.0	1024.00

(1964 - no hibernation this winter)

(R)

X	X^2
31.0	961.00
30.0	900.00
35.0	1225.00
30.0	900.00
32.0	1024.00
34.0	1156.00
21.0	441.00
28.0	784.00
27.0	729.00
30.0	900.00
29.0	841.00

Sceloporus orcutti Temps.
(By Month)

November

X	X^2
33.0	1089.00
32.4	1049.76
32.4	1049.76
34.6	1197.16
32.0	1024.00
33.0	1089.00
35.8	1281.64

$n = 7$

$\Sigma X = 233.2$

$\Sigma X^2 = 7780.32$

$\bar{X} = 33.31$

$(\bar{X})^2 = 1109.59$

$s^2 = \frac{7780.32 - 7(1109.59)}{6} = \frac{[illegible]}{6} = [illegible]$

$S.E. = \sqrt{\frac{3.51}{7}} = \sqrt{.48} = [illegible]$

$\pm 1.4°C$ at 95% level

[31.9° – 34.7°]

SCELOPORUS ORCUTTI THERMAL PREFERENCES

(Field)

°C — % — N

15

16

17

18

19

20

21 | — ½ — 1

22

23 || — 1 — 2

24 — -

25 ||| — 1½ — 3

26 |||| — [illegible] — [illegible]

27 |||| — 2 — 4

28 ||| — 1½ — 3

29 ~~||||~~ |||| — 5 — 9

30 ~~||||~~ ~~||||~~ || — 6½ — 12

31 ~~||||~~ ~~||||~~ |||| — 7½ — [illegible]

32 ~~||||~~ ~~||||~~ ~~||||~~ ~~||||~~ ~~||||~~ ~~||||~~ ~~||||~~ || — 20 — 37

33 ~~||||~~ ~~||||~~ ~~||||~~ ~~||||~~ ~~||||~~ | — 14 — 26

34 ~~||||~~ ~~||||~~ ~~||||~~ ~~||||~~ ~~||||~~ | — 14 — 26

35 ~~||||~~ ~~||||~~ ~~||||~~ ~~||||~~ ~~||||~~ — 13½ — 25

36 ~~||||~~ ~~||||~~ |||| — 7½ — [illegible]

37 ~~||||~~ | — 3 — 6

38 — 99.5% — 186

39

40

41

42

43

44

$\overline{X} = 32.4°C$

Photothermal gradient chambers

No. lizards = 29; No. lizard-days = 81

$\overline{X}$ Temp. = 31.8°C

SCELOPORUS ORCUTTI

Toe clip # 1
Caught UCR 10/25/66
Ad ♂ 98 mm. (S–V)
Field temp. – 32.6°C.

Date	Time	Temp (°C)	Chase (ft)
10/27/66	0745	33.5	10
	0845	35.4	3
	1010	33.2	0
	1110	33.8	0
	1200	34.6	5
			Therm. #
10/29	1430	32.0	3
	1435	32.0	3
	1450	32.4	3
	1455	32.2	3
	[illegible]	[illegible]	3
	1515	36.0	3
10/29	1440	32.0	3
	1500	32.0	3
	1520	35.5	3
	1540	36.0	3
	1600	36.0	3
	1620	35.5	3
	1640	34.0	3
	1700	34.5	3
10/30	0840	23.0	3
	0900	24.0	
	0920	24.5	
	0940	32.0	
	1000	34.0	
	1020	33.5	
	1040	32.0	
	1100	25.0	
	1120	32.0	
	1140		

Date | Time | Temp (°C) | ~~Chase (ft)~~ Therm. #

Date | Time | Temp (°C) | ~~Chase (ft)~~ Therm. #

$\bar{x}$ (total) = 32.4
$\bar{x}$ (a.m) = 30.8
$\bar{x}$ (pm) = 34.0

Greatest variation (°C) in same animal on different days (not 1st 2 days): {Jan. – 5.5° / Oct. – 5.0°

Greatest variation (°C) between AM and PM temps, in same animal: 5.9°
(Jan., Feb., Oct.)

No. lizards	AM	PM
27	$\bar{x} = 30.5°$	$\bar{x} = 32.5°$
	$\Sigma X = 25193.81$	$\Sigma X = 28643.57$
	$\bar{X}^2 = 930.25$	$\bar{X}^2 = 1056.25$
	$s^2 = 2.96$	$s^2 = 4.80$
	S.E. = ± 0.3	S.E. = ± 0.4
	(29.8° – 31.2°)	(31.7° – 33.3°)

4 cases out of 27 in which $\bar{x}$ AM Temp. was higher than $\bar{x}$ PM temp. for same lizard.

SCELOPORUS ORCUTTI

Toe clip #2
Caught UTR 10/2?/66
Imm. at 65 mm (?-?)
Field Temp. — 3?°C

Date	Time	Temp(°C)	Shade(ft) / Therm. #
10/21/66	0845	33.0	1
	1010	27.4	6
	1110	36.[illegible]	8
	1200	28.6	6
11/?/66	0945	25.2	1
	1000	25.5	1
	11[illegible]	34.[illegible]	1
	1225	33.0	1
	1[illegible]5	30.5	1
	1520	[illegible]	1
11/3/66	0820	29.0	1
	0840	26.5	1
	0900	25.0	1
	0920	25.0	1
	0940	26.0	1
	1000	25.0	1
	1020	25.0	1
	1040	30.0	1
	1100	32.0	1
	1120	33.0	1
	1140	32.0	1
	1200	31.5	1
	1220	31.0	1
	1240	33.0	1
	1300	30.0	1
	1320	33.0	1
	1340	31.0	1
	1400	33.5	1
	1420	34.5	1
	1440	31.0	1
11/3/66	1500	32.5	1
	1520	32.0	1
	1540	35.0	1
	1600	34.5	1
	1620	35.0	1
	1640	34.0	1

$\bar{x}$ (total) 31.0
$\bar{x}$ (am) 28.9
$\bar{x}$ (pm) 32.8

Date	Time	Temp(°C)	Therm. #

SCELOPORUS ORCUTTI

Toe clip #3
Caught UCR 10/28/66
Imm ♂ 68 mm (S-V)

Date	Time	Temp (°C)	Therm. No.
10/28/66	1210	34.0	3
	1415	36.0	3
	1500	33.0	3
	1515	36.0	3
	1535	36.5	3
	1555	36.8	3
	1620	34.0	3
	16[illegible]	34.0	3
	1655	36.5	3
10/29	1115	35.2	3
	1120	35.1	3
	1135	35.0	3
	1140	35.2	3
	1155	33.0	3
	1200	33.0	3
	1215	35.0	3
	12[illegible]	[illegible]	3
	[illegible]	[illegible]	3
	1240	35.[illegible]	3
	1255	35.0	3
10/29	1310	30.0	3
	1330	31.0	3
	1350	35.0	3
	1410	35.5	3
	1430	34.5	3
	1450	33.5	3
	1510	35.5	3
	1530	36.0	3
	1550	36.5	3
	1610	34.0	3

Date	Time	Temp (°C)	Therm. No.
10/29	1630	33.5	3
	1650	36.5	3
10/30	0930	27.0	3
	0950	28.0	3
	1010	28.0	3
	1030	35.0	3
	1050	33.5	3
	1110	33.0	3
	1130	35.0	3
	1150	35.5	3
	1210	33.0	3
	1230	33.0	3
	1250	34.5	3
	1310	35.0	3
	1330	36.5	3
	1350	35.0	3
	1410	35.5	3

$\bar{x}$ (total) = 34.11
$\bar{x}$ (am) = 33.0
$\bar{x}$ (pm) = 34.6
$\bar{x}$ (day captured) = 34.7
$\bar{x}$ (d.c. + 1) = 33.6

SCELOPORUS ORCUTTI

Toe clip #4
Caught UCR 10/28/66
Imm. ♂ 75 mm (S–V)

Date	Time	Temp(°C)	Therm. No.
10/29	1420	31.0	1
	1425	32.5	1
	1440	35.5	1
	1445	36.0	1
	1500	32.5	1
	1505	33.0	1
	1520	33.3	1
	15[illegible]	32.[illegible]	1
10/30	1430	31.5	1
	1450	36.0	1
	1510	32.5	1
	1530	3[illegible].0	1
	1550	33.5	1
	1610	36.0	1
	1630	34.0	1
	1650	3[illegible]1.0	1
	1710	34.0	1
10/31	0830	32.0	1
	0850	30.5	1
	0910	32.0	1
	0930	29.0	1
	0950	30.0	1
	1010	30.0	1
	1030	33.0	1
	1050	36.0	1
	1110	36.0	1
	1130	36.0	1
	1150	32.0	
	1210	35.0	1
	1230	35.5	1
10/31	1250	35.5	1
	1310	35.5	1
	1330	35.0	1
	1350	33.0	1
	1410	30.5	1
	1430	30.0	1
	1450	33.0	1
	1510	33.5	1
	1530	33.0	1
	1550	35.0	1
	1610	35.5	1
	1630	35.5	1
	1650	34.5	1
	1710	36.0	1
	1730	35.0	1
	1750	31.0	1
	1810	30.5	1
	1830	30.0	1
	1850	28.0	1

$\bar{x}$ (all) = 33.2
$\bar{x}$ (am) = 32.4
$\bar{x}$ (pm) = 33.5

SCELOPORUS ORCUTTI

Toe clip #5
Caught UCR 10/25/66
Imm ♀ 78 mm (S-V)

Date	Time	Temp (°C)	Therm. No.
11/2/66	0850	33.0	[illegible]
	0910	27.0	[illegible]
	1230	34.0	3
	[illegible]	[illegible]	3
	1330	35.0	3
	1410	34.6	3
	1415	34.6	3
	1630	34.5	3
11/3/66	0855	32.0	3
	0915	27.0	3
	0935	25.0	3
	0955	25.0	3
	1015	32.5	3
	1035	29.0	3
	1055	27.0	3
	1115	26.0	3
	1135	27.0	3
	1155	34.0	3
	1215	33.0	3
	1235	33.0	3
	1255	32.0	3
	1315	32.0	3
	1335	34.0	3
	1355	33.0	3
	1415	33.0	3
	1435	33.5	3
	1455	34.0	3
	1515	34.0	3
	1535	36.0	3
	1555	33.5	3

Date	Time	Temp (°C)	Therm No.
11/3/64	1615	31.0	3
	1635	31.0	3
	1655	37.0	3

$\bar{x}$ (total) = 31.8
$\bar{x}$ (am) = 28.7
$\bar{x}$ (pm) = 33.6

SCELOPORUS ORCUTTI

Toe clip #6
Coll [illegible] 1/28/66
Ad ♀ 72 mm. (S [illegible])

Date	Time	Temp (C)	Therm. No.
11/[illegible]/66	0855	33.0	3
	0935	32.5	3
	1135	33.0	3
	1210	33.5	3
	[illegible]	[illegible]	3
	1315	35.0	3
	1435	37.2	3
	1535	35.0	3
	1600	36.5	3
11/4/66	0830	33.0	3
	0850	32.5	3
	0910	31.0	3
	0930	32.0	3
	0950	31.5	3
	1010	27.0	3
	1030	32.0	3
	1050	31.5	3
	1110	33.0	3
	1130	32.0	3
	1150	33.0	3
	1210	32.0	3
	1230	32.0	3
	1250	34.0	3
	1310	33.0	3
	1330	34.0	3
	1350	31.5	3
	1410	35.0	3
	1430	36.0	3
	1450	33.0	3
	1510	33.0	3

Date	Time	Temp (C)	Therm No.
11/4/66	1530	33.0	3
	1550	35.0	3
	1610	35.0	3
	1630	35.0	3
	1650	35.5	3

$\bar{x}$ (total) = 33.3
$\bar{x}$ (am) = 31.9
$\bar{x}$ (pm) = 34.2

SCELOPORUS ORCUTTI

The clip #7
Caught orr 10/31/66
Air = 10 ?/ mm (E L)
Field Temp — 35.5 °C

Date	Time	Temp(°C)	Therm. No.	Date	Time	Temp(°C)	Therm. No.
10/31/66	1155	32.5	3	11/3	0810	33.0	3
	1200	30.0	3		0830	34.0	3
	1220	29.0	3		0850	34.6	3
	1230	27.0	3		0910	35.0	3
	1240	28.0	3		0930	36.0	3
	1300	27.0	3		0950	36.0	3
11/1/66	0840	34.5	3		1010	35.5	3
	0845	34.5	3		1030	35.5	3
	0900	34.6	3		1050	35.5	3
	1140	35.0	3		1110	35.0	3
	1200	34.5	3		1130	35.0	3
11/2	1130	29.0	3		1150	34.0	3
	1150	30.0	3		1210	34.0	3
	1210	28.5	3		1230	33.5	3
	1230	28.0	3		1250	34.0	3
	1250	27.5	3		1310	35.0	3
	1310	27.5	3		1330	34.5	3
	1330	27.5	3		1350	34.0	3
	1350	27.5	3		1410	34.0	3
	1410	27.5	3		1430	36.0	3
	1430	27.5	3		1450	35.5	3
	1450	29.5	3		1510	33.5	3
	1510	31.0	3		1530	32.0	3
	1530	32.5	3		1550	32.5	3
	1550	33.0	3		1610	32.0	3
	1610	33.0	3		1630	32.0	3
	1630	34.0	3		1650	33.5	3
	1650	33.0	3		1710	31.5	3
					1730	28.0	3
					1750	27.0	3

$\bar{x}$ (total) = 32.1
$\bar{x}$ (am) = 33.7
$\bar{x}$ (pm) = 31.2
$\bar{x}$ (d.c.) = 27.6
$\bar{x}$ (d.c. + 1) = 33.9

SCELOPORUS ORCUTTI

Toe clip #E9
Caught UCR 10/31/66
I mm. 72 mm (5 [illegible])
Field Temp. – 32.5°C

Date	Time	Temp(°C)	Therm. No.
11/2/66	0845	34.0	1
	0848	27.5	1
	0900	29.0	1
	0945	26.0	1 ([illegible])
	1000	26.0	1 (")
	1040	26.5	1 (")
	1220	31.5	1
	~~1240~~	~~30.0~~	~~1~~
	~~1300~~	~~28.5~~	([illegible] after 1220; lost therm.)
([illegible])	1340	34.0	1
	1440	32.5	1
	1600	32.2	1
	1620	[illegible]	1
	1700	[illegible]	1
11/3/66	0845	33.0	1
	0905	28.0	1
	0925	25.0	1
	0945	25.0	1
	1005	25.0	1
	1025	25.0	1
	1045	25.5	1
	1105	26.0	1
	1125	26.0	1
	1145	34.5	1
	1205	35.0	1
	1225	—	1
	1245	—	1
	1305	—	1
	1325	—	1
	1345	33.0	1

Date	Time	Temp(°C)	Therm No
11/3/66	1405	31.5	1
	1425	31.5	1
	1445	31.5	1
	1505	31.5	1
	1525	27.0	1
	1545	33.5	1
	1605	31.0	1
	1625	29.0	1
	1645	29.0	1

$\bar{x}$ (total) = [illegible]
$\bar{x}$ (am) = 27.8
$\bar{x}$ (pm) = 31.7

SCELOPORUS ORCUTTI

Tag clip # 13
Caught UCR 10/31/66
Imm. ♀ 87 mm (S–V)
Field Temp – 32.2 °C

Date	Time	Temp(°C)	Therm. No.	Date	Time	Temp(°C)	Therm. No.
10/31/66	11[illegible]0	27.5	1	11/3	0800	25.0	1
	11[illegible]	29.5	1		0820	28.0	1
	1[illegible]	29.0	1		0840	29.5	1
	1230	29.0	1		0900	30.0	1
	1250	28.0	1		0920	31.0	1
	1610	31.5	1		0940	32.0	1
11/1/66	0910	30.2	1		1000	32.5	1
	0915	30.5	1		1020	32.5	1
	1130	33.5	1		1040	32.5	1
	1150	33.5	1		1100	33.0	1
	1530	32.0	1		1120	33.5	1
11/2	1120	29.0	1		1140	34.0	1
	1140	29.0	1		1200	35.5	1
	1200	29.0	1		1220	33.5	1
	1220	29.0	1		1240	33.5	1
	1240	28.0	1		1300	31.0	1
	1300	26.5	1		1320	31.0	1
	1320	27.0	1		1340	31.0	1
	1340	27.0	1		1400	32.0	1
	1400	27.5	1		1420	32.0	1
	1420	27.5	1		1440	32.0	1
	1440	28.0	1		1500	32.0	1
	1500	28.0	1		1520	32.0	1
	1520	28.0	1		1540	32.0	1
	1540	29.0	1		1600	32.0	1
	1600	31.5	1		1620	34.0	1
	1620	32.0	1		1640	33.5	1
	1640	33.0	1		1700	31.5	1
					1720	32.0	1
					1740	30.0	1

$\bar{x}$ (total) = 30.7
$\bar{x}$ (am) = 31.0
$\bar{x}$ (pm) = 30.5
$\bar{x}$ (d.a.) = 29.0
$\bar{x}$ (d.a. + l) = 31.8

SCELOPORUS ORCUTTI

Toe clip #445
Caught UCR 10/28/66
Ad ♂ 100 mm (S-V)

Date	Time	Temp (°C)	Therm. No.	Date	Time	Temp (°C)	Therm No.
10/28/66	1220	29.0	1	10/30	1620	33.5	1
	1405	30.0	1		1640	33.5	1
	1445	29.5	1	10/31	0920	32.0	1
	1505	33.0	1		0940	34.5	1
	1515	36.0	1		1000	31.0	1
	1530	35.0	1		1020	31.5	1
	1605	34.0	1		1040	30.0	1
	161[illegible]	34.0	1		1100	30.0	1
	1645	34.0	1		1120	~~33.0~~ 34.0	1
10/29	1105	34.0	1		1140	35.5	1
	1125	35.5	1		1200	35.5	1
	1130	36.0	1		1220	35.5	1
	1145	33.2	1		1240	31.5	1
	1150	35.2	1		1300	31.5	1
	1205	35.0	1		1320	33.0	1
	1210	35.4	1		1340	36.5	1
	1225	32.0	1		1400	33.0	1
	1245	31.5	1				
	1250	32.0	1				
	1305	33.4	1				
10/30	1300	27.0	1				
	1320	26.0	1				
	1340	26.0	1				
	1400	30.0	1				
	1420	31.0	1				
	1440	29.0	1				
	1500	33.5	1				
	1520	35.5	1				
	1540	32.5	1				
	1600	34.0	1				

$\bar{x}$ (total) = 32.7
$\bar{x}$ (am) = 33.6
$\bar{x}$ (pm) = 32.3
$\bar{x}$ (dc) = 31.7
$\bar{x}$ (dc+l) = 33.4

No. 1
Caught 11/17/66
Ad ♂

Date	Time	Temp (°C)	Therm No
11-15-66	1100	25.0	3
	1120	28.0	3
	1140	29.0	3
	1200	29.0	3
	1220	29.5	3
	1240	30.0	3
	1300	30.0	3
	1320	30.0	3
	1340	30.5	3
	1400	31.0	3
	1420	31.0	3
	1440	31.0	3
	1500	31.0	3
	1520	31.0	3
	1540	31.0	3
	1600	31.0	3
	1620	31.0	3
	1640	31.0	3
	1700	30.5	3
	1720	220	3

$\bar{x}$ (total) = 27.9
$\bar{x}$ (a.m.) =
$\bar{x}$ (p.m.) =

No. 2

SCELOPORUS OCCIDENTALIS

[illegible]

Ad ♀

Date	Time	Temp(°)	Therm No.	Date	Time	Temp(°)	Therm No.
11/21/66	1045	32.0	1	11/22/66	1120	[illegible]	1
	1105	32.0			1140	[illegible]	1
	1125	32.0	1		1200	[illegible]	1
	1145	32.0	1		1220	[illegible]	1
	[illegible]	[illegible]	1		1240	[illegible]	1
	1225	32.5	1		1300	[illegible]	1
	1245	33.0	1		1320	[illegible]	1
	1305	33.0	1		1340	[illegible]	1
	1325	33.0	1		1400	[illegible]	
	1345	[illegible]	1		1420	[illegible]	1
	1405	33.[illegible]			1440	[illegible]	1
	1425	[illegible]	1		1500	[illegible]	1
	1445	33.5	1				
	[illegible]	[illegible]	1				
	[illegible]	[illegible]	1				
	[illegible]	[illegible]	1				
	1605	[illegible]					
	1625	[illegible]	1				
	1645	[illegible]	1				
	1700	[illegible]	1				
11/22/66	0800	[illegible]	1				
	[illegible]	[illegible]	1				
	0840	[illegible]	1				
	0900	27.0	1				
	0920	28.0					
	[illegible]	[illegible]	1				
	[illegible]	[illegible]					
	[illegible]	29.0	1				
	1040	31.0	1				
	1100	32.0	1				

$\bar{x}$ (total) = [illegible].2

$\bar{x}$ (am) = [illegible]

$\bar{x}$ (pm) = [illegible]1.0

$\bar{x}$ ([illegible]) = [illegible]

$\bar{x}$ ([illegible]) = [illegible]

No. 3
Caught 11/21/66
Ad ♀

SCELOPORUS OCCIDENTALIS

Date	Time	Temp(°C)	Therm No.	Date	Time	Temp(°C)	Therm No.
11/21/66	1100	30.0	3	11/22/66	1150	26.0	3
	1120	33.0	3		1210	26.0	3
	1140	32.5	3		1230	26.0	3
	1200	34.0	3		1250	[illegible]	3
	1220	[illegible]	[illegible]		1310	26.0	3
	1240	35.0	3		1330	[illegible]	3
	1300	37.5	3		1350	26.0	3
	1320	[illegible]	3		1410	26.0	3
	1340	34.5	3		1430	26.0	3
	1400	[illegible]	3		1450	26.0	3
	1420	37.5	3		1510	26.0	3
	1440	33.0	3				
	1500	33.0	3				
	1520	[illegible]	3				
	1540	33.0	3				
	1600	33.0	3				
	1620	33.0	3				
	1640	32.0	3				
	1700	31.0	3				
11/22/66	0810	27.5	3				
	0830	28.0	3				
	0850	28.5	3				
	0910	[illegible]	3				
	0930	29.0	3				
	0950	27.5	3				
	1010	[illegible]	3				
	1030	27.0	3				
	1050	25.0	3				
	1110	25.5	3				
	1130	25.5	3				

$\bar{x}$ (total) = 30.0
$\bar{x}$ (am) = [illegible]
$\bar{x}$ (pm) = 30.8
$\bar{x}$ (dc) = 33.6
$\bar{x}$ (dc+l) = 27.0

No. 1
Toe Clip # 42
♂ 88 mm (S-V)
Caught UCR 1/9/67

SCELOPORUS ORCUTTI

Date	Time	Temp (°C)	[illegible]
1/9	1200	26	
	1220	31.5	
	[illegible]	[illegible]	
	1300	24	
	[illegible]	26	
	1340	30.5	
	[illegible]	33	
	[illegible]	3[illegible]	
	1440	37	
	[illegible]	3[illegible]	
	152[illegible]	3[illegible]	
	1[illegible]40	3[illegible]	
	[illegible]	34	
	1620	33	
	1640	34	
	1700	34.5	
	1720	[illegible]	
	1740	[illegible]	
	[illegible]00	[illegible]	
	[illegible]	27	
1/10	0900	29	
	0920	30	
	0940	31.5	
	[illegible]	28.5	
	[illegible]	[illegible]	
	[illegible]	[illegible]	
	[illegible]	[illegible]	
	[illegible]	2[illegible]	
	[illegible]	25.[illegible]	
	1200	2[illegible]	

Date	Time	Temp (°C)	[illegible]
1/10	1220	26	
	1240	26	
	[illegible]	28	
	1320	27	
	[illegible]	[illegible]	
	1400	33	
	[illegible]	[illegible]	
	[illegible]	[illegible]	
	1500	30	
	1520	30	
	1540	29	
	1600	33	
	1620	33	
	[illegible]	29	
	1700	36	
	[illegible]	3[illegible]	
	[illegible]	[illegible]	
	1800	37	

$\bar{x}$ (total) = 30.4
$\bar{x}$ (am) = 27.3
$\bar{x}$ (pm) = 31.3

No. 3
Toe Clip # 34
♂ [illegible] mm (SVL)
Caught UCR 1/9/67

SCELOPORUS ORCUTTI

Date	Time	Temp(°C)	Therm. No.	Date	Time	Temp(°C)	Therm. No.
1/9	1210	25	3	1/10	1230	25	3
	1230	25.5	3		1250	25	
	1250	~~2~~25	3		1310	27.5	
	1310	28.5	3		1330	[illegible]	
	1330	26	3		1350	28.5	
	1350	27	3		1410	34	
	1410	27	3		1430	[illegible]	
	1430	[illegible]5	3		1450	36	
	1450	28	3		1510	~~[illegible]~~	
	1510	[illegible]	3		1530	[illegible]	
	1530	[illegible]5	3		1550	32	
	1550	25			1610	[illegible]	
	1610	25			1630	34	
	1630	25			1650	34	
	1650	25			1710	34.5	
	1710	25			1730	34	
	1730	25			1750	[illegible]	
	1750	24			1810	[illegible]	
	1810	25					
	1830	23					
1/10	0910	22					
	0930	23					
	[illegible]	23					
	[illegible]	23.5					
	[illegible]30	24					
	[illegible]50	24					
	1110	24.5					
	1130	24.5					
	1150	24.5					
	1210	24.5					

$\bar{x}$ (total) = 27.4
$\bar{x}$ (a.m.) = 23.7
$\bar{x}$ (pm) = 28.2

No. 1
Toe Clip #566
♀ 75 mm (S-V)
Caught UCR 1/9/67

SCELOPORUS ORCUTTI

Date	Time	Temp (°C)	Therm. No.
1/16/[redacted]	1200	26.0	1
	1220	36.0	
	1240	32.0	
	1300	33.5	
	1320	36.5	
	1340	32.0	
	1400	34.0	
	1420	33.0	
	1440	34.0	
	1500	34.0	
	1520	34.0	
	1540	33.0	
	16[illegible]	33.5	
	1620	34.0	
	1640	34.5	
	1700	34.5	
1/17/[redacted]	0800	22.0	
	0820	22.5	
	0840	23.0	
	0900	24.0	
	0920	24.0	
	0940	24.5	
	1000	25.0	
	1020	25.0	
	1040	25.5	
	1100	25.5	
	1120	26.0	
	1140	29.0	
	1200	32.0	
	1220	30.5	

Date	Time	Temp (°C)	Therm. No.
1/17/[redacted]	1240	31.0	1
	1300	32.0	
	1320	33.0	
	1340	33.0	
	1400	32.0	
	1420	35.5	
	1440	35.0	
	1500	35.0	
	1520	33.0	
	1540	33.0	
	1600	33.5	
	1620	33.0	
	1640	33.0	
1/18/[redacted]	0900	31.0	
	0920	33.0	
	0940	35.0	
	1000	33.0	
	1020	33.0	
	1040	34.0	

$\bar{x}$ (total) = 31.1
$\bar{x}$ (am) = 27.6
$\bar{x}$ (pm) = 33.5

No. 3
Toe Clip # 27
♀ 75 mm (S-V)
Caught UCR 1/9/67

SCELOPORUS ORCUTTI

Date	Time	Temp (°C)	Therm. No.
1/16/67	1210	28.5	3
	1230	28.5	
	1250	33.5	
	1310	30.5	
	1330	32.0	
	1350	34.0	
	1410	32.0	
	1430	34.0	
	1450	35.0	
	1510	34.0	
	1530	32.0	
	1550	32.5	
	1610	30.5	
	1630	32.0	
	1650	34.5	
	1710	34.5	
1/17/67	~~1230~~ 0810	26.5	
	0830	~~29~~ 27.0	
	0850	28.0	
	0910	29.5	
	0930	31.0	
	0950	31.0	
	1010	31.0	
	1030	31.0	
	1050	31.5	
	1110	29.0	
	1130	28.0	
	1150	28.5	
	1210	27.0	
	1230	28.0	
1/17/67	1250	29.0	3
	1310	29.5	
	1330	32.0	
	1350	34.0	
	1410	33.0	
	1430	36.5	
	1450	34.0	
	1510	35.5	
	1530	[illegible]	
	1550	35.0	
	1610	35.0	
	1630	35.0	
1/18/67	~~1650~~ 0910	33.5	

$\bar{x}$ (total) = 31.6
$\bar{x}$ (am) = 29.6
$\bar{x}$ (pm) = 32.5

No. 1
Toe Clip # 200
♀ 75 mm (S-V)
Caught UCR 1/9/67

SCELOPORUS ORCUTTI

Date	Time	Temp (°C)	Therm. No.
1/18/67	1330	26.0	1
	1350	26.0	
	1410	26.0	
	1430	36.5	
	1450	36.0	
	1510	34.0	
	1530	34.0	
	1550	34.0	
	1610	35.0	
	1630	32.5	
	1650	35.0	
1/19/67	0820	23.0	
	0840	24.0	
	0900	25.0	
	0920	26.0	
	0940	26.0	
	1000	27.0	
	1020	27.0	
	1040	27.0	
	1100	27.5	
	1120	27.5	
	1140	28.0	
	1200	28.0	
	1220	33.0	
	1240	33.5	
	1300	33.0	
	1320	32.0	
	1340	33.5	
	1400	32.0	
	1420	35.5	
1/19/67	1440	36.0	1
	1500	34.5	
	1520	34.5	
	1540	35.0	
	1600	34.5	
	1620	34.0	
	1640	33.0	
	1700	34.0	
1/20/67	0810	34.0	
	0830	34.0	
	0850	33.0	
	0910	[illegible]	
	0930	33.0	
	0950	33.5	
	1010	34.0	
	1030	34.0	
	1050	34.0	
	1110	34.5	
	1130	34.0	
	1150	36.0	
	1210	35.5	
	1230	34.0	
	1250	34.0	
	1310	35.5	
	1330	36.0	
	1350	34.0	
	1410	34.0	
	1430	36.0	
	1450	34.5	
	1510	33.0	
1/20/67	1530	30.5	1
	1550	29.5	1

$\bar{x}$ (total) = 32.1
$\bar{x}$ (am) = 30.0
$\bar{x}$ (pm) = 33.4

No. 3
Toe Clip No. 149
♀ 94 mm (S-V)
Caught [illegible] 1/[illegible]/67

Date	Time	Temp(°C)	Therm No.
1/18/67	1340	33.0	3
	1400	33.5	
	1420	29.5	
	1440	31.0	
	1500	32.5	
	1520	32.5	
	1540	30.0	
	1600	32.0	
	1620	33.0	
	1640	33.5	
	1700	30.0	
1/19/67	0810	28.0	
	0830	35.5	
	0850	34.0	
	0910	35.0	
	0930	35.5	
	0950	36.0	
	1010	36.0	
	1030	36.5	
	1050	34.0	
	1110	33.5	
	1130	33.0	
	1150	34.5	
	1210	32.0	
	1230	32.5	
	1250	33.0	
	1310	32.5	
	1330	33.5	
	1350	35.5	
	1410	36.0	

Date	Time	Temp(°C)	Therm No.
1/19/67	1430	34.5	3
	1450	34.5	
	1510	35.0	
	1530	33.0	
	1550	35.0	
	1610	32.0	
	1630	32.0	
	1650	32.0	
1/20/67	0820	24.0	
	0840	24.5	
	0900	25.0	
	0920	25.5	
	0940	26.0	
	1000	26.0	
	1020	26.0	
	1040	26.0	
	1100	26.5	
	1120	26.5	
	1140	32.0	
	1200	29.0	
	1220	29.0	
	1240	34.0	
	1300	32.5	
	1320	31.0	
	1340	32.0	
	1400	31.0	
	1420	31.0	
	1440	30.0	
	1500	36.0	
	1520	28.0	

Date	Time	Temp(°C)	Therm No.
1/20/67	1540	33.5	3
	1600	35.0	3

$\bar{x}$ (total) = 31.5
$\bar{x}$ (am) = 30.4
$\bar{x}$ (pm) = 32.2

No.
Toe clip # [illegible]
♂ 78 mm (S–V)
Caught UCR 1/9/67

SCELOPORUS ORCUTTI

Date	Time	Temp (°C)	Therm. No.
1/23/67	1010	27.5	5
	1030	32.0	
	1050	33.0	
	1110	33.5	
	1130	32.0	
	1150	34.0	
	1210	33.0	
	1230	32.5	
	1250	32.5	
	1310	33.5	
	1330	34.0	
	1350	34.0	
	1410	33.0	
	1430	35.0	
	1450	35.0	
	1510	35.0	
	1530	35.0	
	1550	35.0	
	1610	35.0	
	1630	35.0	
	1650	34.5	
	1710	33.5	
1/24/67	0810	20.5	
	0830	21.5	
	0850	22.0	
	0910	22.0	
	0930	22.0	
	0950	22.5	
	1010	23.0	
	1030	23.5	

Date	Time	Temp (°C)	Therm No.
	1050	27.0	3
	1110	31.5	
	1130	28.5	
	1150	30.0	
	1210	31.0	
	1230	31.0	
	1250	30.0	
	1310	~~34.5~~ 30.0	
	1330	32.0	
	1350	28.0	
	1410	26.0	
	1430	30.5	
	1450	30.5	
	1510	30.5	
	1530	30.0	
	1550	33.0	
	1610	33.0	
	1630	35.0	
	1650	32.0	
1/25/67	0910	28.0	
	0930	29.5	
	0950	29.5	
	1010	27.0	
	1030	30.0	
	1050	31.0	
	1110	30.5	
	1130	31.5	
	1150	31.5	
	1210	32.0	
	1230	34.0	

Date	Time	Temp (°C)	Therm No.
1/25/67	1250	34.0	
	1310	35.0	
	1330	34.0	
	1350	35.0	
	1410	34.0	
	1430	33.0	
	1450	32.5	
	1510	35.5	
	1530	33.0	
	1550	35.0	
	1610	34.0	
	1630	36.0	
	1650	36.0	
	1710	34.0	

$\bar{x}$ (total) = 31.2
$\bar{x}$ (am) = 28.0
$\bar{x}$ (pm) = 33.1

No.
Toe Clip # 3?4
♀ 72 mm (5-V)
Caught UCR 1/9/67

SCELOPORUS ORCUTTI

Date	Time	Temp(°C)	Therm No.
1/23/67	1000	32.5	1
	1020	34.0	
	1040	35.0	
	1100	35.0	
	1120	34.0	
	1140	33.5	
	1200	33.0	
	1220	33.5	
	1240	32.0	
	1300	32.5	
	1320	33.0	
	1340	30.0	
	1400	27.0	
	1420	29.0	
	1440	28.0	
	1500	28.0	
	1520	28.0	
	1540	28.0	
	1600	28.0	
	1620	28.0	
	1640	28.0	
	1700	28.0	
1/24/67	0800	20.5	
	0820	22.5	
	0840	24.0	
	0900	24.5	
	0920	25.0	
	0940	26.0	
	1000	27.0	
	1020	27.5	

Date	Time	Temp(°C)	Therm No
1/24/67	1040	28.0	1
	1100	28.0	
	1120	28.5	
	1140	28.5	
	1200	35.0	
	1220	33.5	
	1240	32.0	
	1300	34.0	
	1320	21.0	
	1340	27.5	
	1400	34.5	
	1420	34.0	
	1440	35.0	
	1500	35.5	
	1520	33.0	
	1540	34.5	
	1600	33.5	
	1620	32.0	
	1640	32.0	
1/25/67	0900	26.5	
	0920	27.5	
	0940	28.0	
	1000	28.5	
	1020	29.0	
	1040	29.0	
	1100	29.0	
	1120	29.0	
	1140	29.0	
	1200	29.5	
	1220	35.5	1

Date	Time	Temp(°C)	Therm No
1/25/67	1240	34.0	
	1300	32.0	
	1320	33.0	
	1340	30.0	
	1400	30.5	
	1420	34.0	
	1440	34.5	
	1500	36.0	
	1520	32.5	
	1540	27.0	
	1600	26.5	
	1620	26.5	
	1640	26.0	
	1700	26.0	

$\bar{x}$ (total) = 30.2
$\bar{x}$ (am) = 28.7
$\bar{x}$ (pm) = 31.1

[illegible] 1

Toe Clip #[illegible]

♀ 55 mm (S-V)

Caught UCR 1/9/67

SCELOPORUS ORCUTTI

Date	Time	Temp(°C)	Therm No.
1/11/67	0900	26.0	1
	0920	35.0	
	0940	34.0	
	1000	[illegible]	
	1020	[illegible]	
	1040	31.5	
	1100	31.0	
	1120	[illegible]	
	1420	33.0	
	1440	30.5	
	1500	33.5	
	1520	32.5	
	1540	34.5	
	1600	34.5	
	1620	34.0	
	1640	33.0	
	1700	36.5	
1/12/67	0800	33.0	
	0820	33.0	
	0840	28.5	
	0900	27.5	
	0920	32.5	
	0940	35.5	
	1000	35.5	
	1020	32.0	
	1040	32.0	
	1100	32.0	
	1120	28.0	
	1140	32.0	
	1200	33.0	

Date	Time	Temp(°C)	Therm No.
1/12/67	1220	32.0	1
	1240	33.0	
	1300	32.5	
	1320	33.0	
	1340	32.0	
	1400	32.5	
	1420	35.0	
	1440	33.5	
	1500	33.0	
	1520	33.0	
	1540	34.5	
	1600	36.0	
	1620	33.0	
	1640	32.5	

$\bar{x}$ (total) = 32.5

$\bar{x}$ (am) = 31.8

$\bar{x}$ (pm) = 33.4

No. 3
Toe Clip # 515
♀ 82 mm (S-V)
Caught UCR 1/9/67

SCELOPORUS ORCUTTI

Date	Time	Temp (°C)	Therm. No.
1/11/67	0910	26.5	3
	0930	33.0	
	0950	31.0	
	1010	35.0	
	1030	34.0	
	1050	35.0	
	1110	30.0	
	1130	32.5	
	1410	32.0	
	1430	33.0	
	1450	34.5	
	1510	33.5	
	1530	32.0	
	1550	34.5	
	1610	33.0	
	1630	32.5	
	1650	34.0	
1/12/67	0810	26.0	
	0830	28.0	
	0850	30.0	
	0910	31.0	
	0930	32.0	
	0950	25.0	
	1010	28.5	
	1030	31.5	
	1050	29.5	
	1110	27.0	
	1130	27.0	
	1150	29.5	
	1210	32.0	

Date	Time	Temp (°C)	Therm. No.
1/12/67	1230	33.0	
	1250	32.5	
	1310	34.5	
	1330	34.5	
	1350	31.0	
	1410	33.5	
	1430	34.0	
	1450	31.0	
	1510	32.5	
	1530	33.0	
	1550	33.5	
	1610	34.0	
	1630	33.0	
	1650	33.0	

$\bar{x}$ (total) = 31.0
$\bar{x}$ (am) = 30.2
$\bar{x}$ (pm) = 33.1

No.
Toe Clip No. 605
♂ 78 mm (S-V)
Caught UCR 1/9/67

SCELOPORUS ORCUTTI

Date	Time	Temp(°C)	Therm. No.
1/30/67	1000	27.5	3
	1020	31.0	
	1040	33.0	
	1100	33.5	
	1120	33.5	
	1140	32.5	
	1200	30.5	
	1220	31.5	
	1240	32.0	
	1300	32.0	
	1320	34.0	
	1340	35.0	
	1400	34.0	
	1420	32.0	
	1440	31.0	
	1500	32.0	
	1520	33.0	
	1540	33.0	
	1600	33.0	
	1620	33.5	
	1640	33.0	
	1700	33.5	
	1720	33.5	
1/31/67	0800	27.0	
	0820	29.0	
	0840	36.0	
	0900	33.0	
	0920	32.0	
	0940	33.0	
	1000	33.0	

Date	Time	Temp(°C)	Therm. No.
1/31/67	1020	34.0	3
	1040	34.0	
	1100	29.5	
	1120	31.0	
	1140	33.0	
	1200	34.0	
	1220	35.5	
	1240	35.5	
	1300	34.0	
	1320	34.0	
	1340	34.0	
	1400	33.5	
	1420	34.0	
	1440	34.5	
	1500	33.0	
	1520	34.0	
	1540	33.5	
	1600	34.0	
	1620	34.5	
2/1/67	0800	25.5	
	0820	30.5	
	0840	33.0	
	0900	29.0	
	0920	33.5	
	0940	31.5	
	1000	34.0	
	1020	34.0	
	1040	33.0	
	1100	31.0	
	1120	32.0	

Date	Time	Temp(°C)	Therm. No.
2/1/67	1140	29.0	3
	1200	33.5	
	1220	34.0	
	1240	34.5	
	1300	34.0	
	1320	34.5	
	1340	34.5	
	1400	34.0	
	1420	35.0	
	1440	36.0	
	1500	36.0	
	1520	35.0	
	1540	35.0	

$\bar{x}$ (total) = 32.9
$\bar{x}$ (am) = 31.8
$\bar{x}$ (pm) = ~~27.0~~ 33.8

No. 3
Toe Clip No. 7

SCELOPORUS ORCUTTI

Date	Time	Temp (°C)	Therm No.
2/6/67	1240	25.5	3
	1300	31.5	
	1320	35.5	
	1340	32.0	
	1400	33.0	
	1420	34.0	
	1440	35.0	
	1500	32.0	
	1520	32.0	
	1540	32.0	
	1600	35.0	
	1620	32.0	
	1640	32.0	
	1700	33.0	
	1720	30.5	
	1740	31.0	
	1800	30.0	
	1820	28.0	
	1840	27.0	
2/7/67	0810	31.0	
	0830	33.5	
	0850	35.0	
	0910	34.0	
	0930	33.0	
	0950	34.0	
	1010	35.0	
	1030	32.0	
	1050	31.0	
	1110	31.5	
	1130	31.5	

Date	Time	Temp (°C)	Therm No.
2/7/67	1150	31.5	3
	1210	32.0	
	1230	32.5	
	1250	32.0	
	1310	31.0	
	1330	31.0	
	1350	31.0	
	1410	31.0	
	1430	31.0	
	1450	31.0	
	1510	31.0	
	1530	31.0	
	1550	31.0	
	1610	31.0	
	1630	31.5	
	1650	32.0	
2/8/67	0810	30.5	
	0830	32.5	
	0850	32.5	
	0910	32.0	
	0930	31.0	
	0950	32.0	
	1010	35.5	
	1030	32.0	
	1050	31.0	
	1110	33.5	
	1130	33.0	
	1150	32.0	
	1210	34.0	
	1230	31.0	

Date	Time	Temp (°C)	Therm No.
2/8/67	1250	31.5	3
	1310	33.0	
	1330	31.5	
	1350	30.5	
	1410	31.0	
	1430	31.0	
	1450	30.0	
	1510	32.5	
	1530	32.5	
	1550	31.0	
	1610		
	1630		
	1650		
	1710		
	1730		
	1750		
	1810		
	1830		
	1850		

$\bar{x}$ (total) = 31.8
$\bar{x}$ (a.m.) = 32.4
$\bar{x}$ (am) = 31.5

No. 1
Toe Clip No. 1

SCELOPORUS ORCUTTI

Date	Time	Temp(°C)	Therm No.
2/6/67	1230	35.0	1
	1250	35.0	
	1310	35.0	
	1330	37.0	
	1350	34.5	
	1410	35.5	
	1430	35.0	
	1450	35.0	
	1510	35.5	
	1530	35.0	
	1550	35.0	
	1610	35.5	
	1630	35.5	
	1650	35.0	
	1710	34.5	
	1730	33.0	
	1750	32.0	
	1810	31.0	
	1830	29.5	
2/7/67	0800	28.0	
	0820	33.5	
	0840	34.5	
	0900	33.0	
	0920	34.0	
	0940	34.0	
	1000	32.0	
	1020	36.0	
	1040	32.0	
	1100	32.0	
	1120	32.0	
2/7/67	1140	33.0	1
	1200	34.0	
	1220	33.5	
	1240	32.0	
	1300	32.0	
	1320	33.0	
	1340	33.0	
	1400	33.0	
	1420	33.5	
	1440	33.0	
	1500	34.0	
	1520	34.0	
	1540	34.0	
	1600	34.5	
	1620	34.5	
	1640	35.0	
2/8/67	0800	30.5	
	0820	33.0	
	0840	32.5	
	0900	32.0	
	0920	32.5	
	0940	31.5	
	1000	32.5	
	1020	32.0	
	1040	32.0	
	1100	35.0	
	1120	33.5	
	1140	32.0	
	1200	33.0	
	1220	32.5	
2/8/67	1240	34.0	1
	1300	31.5	
	1320	33.0	
	1340	32.5	
	1400	34.0	
	1420	36.5	
	1440	33.0	
	1500	32.5	
	1520	33.5	
	1540	32.0	

$\bar{x}$ (total) = 33.4
$\bar{x}$ (am) = 32.7
$\bar{x}$ (pm) = 33.1

No. 1
Toe clip #3

Date	Time	Temp(°C)	Therm No.	Date	Time	Temp(°C)	Therm No.	Date	Time	Temp(°C)	Therm No.
2/9/61	0930	28.0	1	2/10/61	1000	31.0	1				
	0950	33.0			1020	33.0					
	1010	31.0			1040	33.0					
	1030	32.0			1100	32.0					
	1050	31.0			1120	32.0					
	1110	32.0			1140	32.0					
	1130	33.0			1200	32.0					
	1150	33.0			1220	34.0					
	1210	34.0			1240	31.0					
	1230	33.0			1300	31.5					
	1250	33.5			1320	32.0					
	1310	34.0			1340	32.0					
	1330	34.0			1400	33.5					
	1350	33.5			1420	34.0					
	1410	33.5			1440	32.0					
	1430	33.5			1500	32.5					
	1450	33.0			1520	33.0					
	1510	33.0			1540	33.0					
	1530	33.0			1600	33.0					
	1550	31.5			1610	32.0					
	1610	31.0			1640	32.0					
	1630	31.5									
	1650	32.0									
	1710	32.0									
2/10/61	~~1730~~ 0800	32.0									
	~~17~~ 0820	31.5									
	0840	31.0									
	0900	32.0									
	0920	33.0									
	0940	30.5									

$\bar{x}$ (total) = 32.3
$\bar{x}$ (am) = 31.8
$\bar{x}$ (pm) = 32.7

No. 3
Toe Clip # 9

Date	Time	Temp (°C)	Therm No.
2/9/67	0940	26.0	3
	1000	27.0	
	1020	33.0	
	1040	34.0	
	1100	27.0	
	1120	33.5	
	1140	27.0	
	1200	31.0	
	1220	32.0	
	1240	31.0	
	1300	32.0	
	1320	33.0	
	1340	33.0	
	1400	32.5	
	1420	32.5	
	1440	33.5	
	1500	32.5	
	1520	33.0	
	1540	33.5	
	1600	33.0	
	1620	32.5	
	1640	33.0	
	1700	32.0	
2/10/67	0810	31.0	
	0830	31.0	
	0850	29.5	
	0910	33.0	
	0930	33.0	
	0950	31.0	
	1010	31.0	

Date	Time	Temp (°C)	Therm No.
2/10/67	1030	28.0	3
	1050	31.0	
	1110	34.0	
	1130	33.0	
	1150	31.5	
	1210	33.0	
	1230	31.0	
	1250	31.5	
	1310	32.5	
	1330	30.5	
	1350	32.5	
	1410	31.0	
	1430	30.0	
	1450	30.5	
	1510	31.0	
	1530	32.0	
	1550	32.5	
	1610	32.5	
	1630	33.0	
	1650	32.0	

$\bar{x}$ (total) = 31.6
$\bar{x}$ (am) = 30.8
$\bar{x}$ (pm) = 32.2

No. 3
Toe Clip # 445

S[illegible]ORUS ORCUTTI

Date	Time	Temp(°C)	Therm No	Date	Time	Temp(°C)	Therm No.	Date	Time	Temp(°C)	Therm No.
2/14/67	1410	34.0	3								
	1430	34.0									
	1450	34.[illegible]									
	1510	35.0									
	1530	34.0									
	1550	34.0									
	1610	34.0									
	1630	34.0									
	1050	35.0									
	1710	35.0									
2/15/67	1510	32.0									
	1530	33.0									
	1550	32.5									
	1610	33.0									
	1630	32.0									
	[illegible]	33.5									

$\bar{x}$ (total) = 33.7

$\bar{x}$ (am) =

$\bar{x}$ (pm) =

No. 1
Tie Clip #4

SCELOPORUS ORCUTTI

Date	Time	Temp(°C)	Therm No.	Date	Time	Temp(°C)	Therm No.	Date	Time	Temp(°C)	Therm No.
2/14/67	1400	31.0	1								
	1420	34.0									
	1440	35.0									
	1500	34.0									
	1520	33.5									
	1540	33.0									
	1600	34.0									
	1620	33.0									
	1640	31.0									
	1700	31.0									
2/15/67	1500	33.0									
	1520	34.0									
	1540	34.5									
	1600	33.0									
	1620	29.5									
	1640	33.0									

$\bar{x}$ (total) = 32.8
$\bar{x}$ (am) =
$\bar{x}$ (pm) =

No. 1
Toe Clip #2

SCELOPORUS ORCUTTI

Date	Time	Temp(°C)	Therm No.
2/17/67	1110	28.0	1
	1130	32.0	
	1150	33.0	
	1210	33.0	
	1230	33.0	
	1250	33.0	
	1310	33.0	
	1330	33.5	
	1350	34.0	
	1410	34.0	
	1430	34.0	
	1450	33.5	
	1510	34.0	
	1530	34.0	
	1550	34.0	
	1610	34.0	
	1630	34.5	
	1650	30.5	
	1710	31.0	
2/18/67	0800	33.0	
	0820	34.0	
	0840	31.0	
	0900	32.0	
	0920	29.0	
	0940	32.5	
	1000	32.0	
	1020	32.0	
	1040	30.5	
	1100	30.5	
	1120	33.0	

Date	Time	Temp(°C)	Therm No.
2/18/67	1140	33.0	1
	1200	33.0	
	1220	30.0	
	1240	30.5	
	1300	31.5	
	1320	32.0	
	1340	32.0	
	1400	33.5	
	1420	33.5	
	1440	33.5	
	1500	34.0	
	1520	34.0	
	1540	34.0	
	1600	34.5	
	1620	34.0	
2/19/67	0830	33.0	
	0850	32.0	
	0910	31.0	
	0930	31.5	
	0950	30.0	
	1010	32.0	
	1030	32.0	
	1050	32.5	
	1110	33.5	
	1130	33.0	
	1150	33.0	
	1210	32.0	
	1230	32.0	
	1250	31.0	
	1310	32.0	

Date	Time	Temp(°C)	Therm No.
2/19/67	1330	33.5	1
	1350	33.5	
	1410	32.5	
	1430	34.0	
	1450	34.0	
	1510	33.0	
	1530	32.0	
	1550	[illegible]	
	1610	34.5	
	1630	36.0	
	1650	33.0	
2/20/67	0800	32.0	
	0820	31.0	
	0840	32.0	
	0900	34.0	
	0920	32.0	
	0940	30.5	
	1000	30.5	
	1020	30.5	
	1040	30.0	
	1100	31.0	
	1120	31.5	
	1140	33.5	
	1200	32.0	
	1220	33.0	
	1240	33.0	
	1300	35.5	
	1320	33.0	
	1340	32.0	
	1400	32.0	

in. 1
Toe Clip #2

SCELOPORUS ORCUTTI

Date	Time	Temp (°C)	Therm. No
2/20/67	1420	32.0	1
	1440	32.0	
	1500	32.0	
	1520	32.0	
	1540	33.0	
	1600	30.0	
	1620	28.5	
	1640	32.5	
2/21/67	0840	32.0	
	0900	30.5	
	0920	31.0	
	0940	32.0	
	1000	32.5	
	1020	30.0	
	1040	28.0	
	1100	32.0	
	1120	31.0	
	1140	30.0	

$\bar{x}$ (total) = 32.2
$\bar{x}$ (am) = 31.6
$\bar{x}$ (pm) = 32.8

No. 3
Toe Clip # 5

SCELOPORUS ORCUTTI

Date	Time	Temp(°C)	Therm No.
2/17/67	1100	29.0	3
	1120	27.0	
	1140	27.0	
	1200	26.5	
	1220	26.5	
	1240	26.5	
	1300	27.0	
	1320	30.0	
	1340	33.0	
	1400	34.5	
	1420	32.0	
	1440	31.0	
	1500	31.0	
	1520	31.0	
	1540	31.0	
	1600	31.0	
	1620	31.0	
	1640	31.5	
	1700	31.5	
2/18/67	0810	33.5	
	0830	33.5	
	0850	34.0	
	0910	34.0	
	0930	34.5	
	0950	35.0	
	1010	35.0	
	1030	35.0	
	1050	34.5	
	1110	32.5	
	1130	33.0	

Date	Time	Temp(°C)	Therm No.
2/18/67	1150	33.5	3
	1210	31.0	
	1230	32.5	
	1250	35.0	
	1310	36.0	
	1330	35.5	
	1350	35.0	
	1410	[illegible]	
	1430	34.5	
	1450	34.0	
	1510	34.0	
	1530	34.0	
	1550	34.0	
	1610	34.0	
	1630	32.0	
2/19/67	0840	30.0	
	0900	[illegible]	
	0920	33.0	
	0940	34.0	
	1000	32.0	
	1020	30.0	
	1040	31.5	
	1100	33.0	
	1120	33.[illegible]	
	1140	34.0	
	1200	34.0	
	1220	33.0	
	1240	32.5	
	1300	32.5	
	1320	33.0	

Date	Time	Temp(°C)	Therm No.
2/19/67	1340	33.0	3
	1400	33.0	
	1420	33.0	
	1440	33.5	
	1500	34.0	
	1520	33.5	
	1540	33.0	
	1600	33.0	
	1620	33.0	
	1640	35.0	
	1700	34.0	
2/20/67	0810	32.0	
	0830	31.0	
	0850	31.0	
	0910	31.0	
	0930	—	
	0950	32.0	
	1010	32.5	
	1030	[illegible]	
	1050	32.5	
	1110	33.0	
	1130	32.0	
	1150	32.0	
	1210	34.0	
	1230	33.0	
	1250	32.0	
	1310	32.0	
	1330	33.0	
	1350	30.0	
	1410	31.0	

No 3
Tie clip # 5

Date	Time	Temp (C)	Therm No
2/20/67	1430	33.0	3
	1450	33.0	
	1510	32.0	
	1530	31.5	
	1550	31.5	
	1610	31.5	
	1630	29.0	
	1650	30.0	
2/21/67	0850	31.5	
	0910	33.5	
	[illegible]	32.5	
	0950	31.0	
	1010	31.0	
	1030	31.5	
	1050	30.0	
	1110	30.0	
	1130	29.5	
	1150	29.0	

$\bar{x}$ (total) = 32.2
$\bar{x}$ (am) = 31.9
$\bar{x}$ (pm) = 32.4

Experimental

Experimental

Caught – Palm Springs 5/27/67
Adult ♂ – 118 mm (S–V)
#1 Thermistor

Date	Time	Temp (°C)	Date	Time	Temp (°C)
5/31/67	0830	38.5	6/1/67	0830	37.5
	0850	36.5		0850	37.0
	0910	36.5		0910	38.0
	0930	36.5		0930	36.5
	0950	38.0		0950	36.0
	1010	38.5		1010	37.0
	1030	37.5		1030	36.5
	1050	38.0		1050	38.5
	1110	37.0		1110	37.0
	1130	39.5		1130	38.0
	1150	38.0		1150	37.0
	1210	37.0		1210	37.0
	1230	38.0		1230	36.0
	1250	37.5		1250	35.5
	1310	37.0		1310	35.0
	1330	37.5		1330	36.0
	1350	38.5		1350	39.0
	1410	39.0		1410	36.5
	1430	39.5		1430	37.0
	1450	39.5		1450	38.0
	1510	40.0		1510	38.5
	1530	39.5			
	1550	38.0			
	1610	37.0			
6/1/67	0630	35.0			
	0650	36.0			
	0710	36.0			
	0730	37.5			
	0750	37.5			
	0810	37.5			

Date Time Temp (°C)

Range = 34.0° – 39.5°C
$\bar{X}$ (total) = 37.4 (N = 51)
$\bar{X}$ (AM) = 37.3 (N = 28)
$\bar{X}$ (PM) = 37.7 (N = 23)

$\Sigma X = 1909.5$
ΣX (AM) = 1043.0
ΣX (PM) = 866.5

DIPSOSAURUS DORSALIS

Caught – Palm Springs 5/27/67
Adult ♂ – 120 mm (S–V)
#3 Thermistor

Date	Time	Temp(°C)
5/31/67	0840	38.5
	0900	33.5
	0920	35.0
	0940	37.5
	1000	40.0
	1020	—
	1040	39.5
	1100	40.0
	1120	39.5
	1140	38.5
	1200	40.0
	1220	39.0
	1240	38.5
	1300	38.5
	1320	38.5
	1340	39.0
	1400	39.5
	1420	39.5
	1440	38.5
	1500	37.5
	1520	38.0
	1540	39.5
	1600	38.5
6/1/67	0640	38.0
	0700	38.0
	0720	38.0
	0740	38.0
	0800	39.0
	0820	38.5
	0840	37.5

Date	Time	Temp(°C)
6/1/67	0900	39.5
	0920	37.0
	0940	38.5
	1000	36.5
	1020	37.0
	1040	37.0
	1100	39.0
	1120	38.0
	1140	38.0
	1200	34.0
	1220	38.0
	1240	38.5
	1300	37.5
	1320	38.5
	1340	38.0
	1400	37.5
	1420	37.0
	1440	37.0
	1500	37.0
	1520	38.5

Date	Time	Temp(°C)

Range = 33.0° – 40.0°C

$\bar{x}$ (total) = [redacted] 38.1 (N = 49)

$\bar{x}$ (AM) = 38.0 (N = 25)

$\bar{x}$ (PM) = 38.2 (N = 24)

Σx = 1865.5

Σx (AM) = 949.5

Σx (PM) = 916.0

Caught - Palm Springs 6/7/67
Adult ♂ - 129 mm (S-V)
#1 Thermistor

Date	Time	Temp (°C)	Date	Time	Temp (°C)	Date	Time	Temp (°C)
6/9/67	1200	38.0	6/11/67	0700	37.5			
	1240	38.0		0720	37.5			
	1300	38.0		0740	37.5			
	1320	35.0		0800	37.5			
	1440	37.0		0820	37.5			
	1500	37.0		0840	37.5			
	1520	35.5		0900	37.5			
	1540	35.5		0920	37.5			
	1600	35.5		1000	37.5			
	1620	37.0		1020	37.0			
	1640	36.0		1040	37.0			
	1700	38.5		1100	37.0			
6/10/67	0700	39.0		1120	38.0			
	0720	39.0		1140	37.0			
	0740	39.0		1200	36.5			
	0800	39.0		1220	37.5			
	0820	35.0		1240	37.0			
	0840	38.0		1300	37.5			
	0900	38.0						
	0920	38.5						
	0940	38.5						
	1000	36.0						
	1020	34.0						
	1040	37.0						
	1100	37.0						
	1120	36.0						
	1140	36.0						
	1220	37.5						
	1240	37.0						
	1300	35.5						

Range = 34.0° – 39.0°C
$\bar{x}$ (total) = 37.2°C
$\bar{x}$ (AM) = 37.5
$\bar{x}$ (PM) = 36.8

Σx = 1786.0 (N = 48)
Σx (AM) = 1086.5 (N = 29)
Σx (PM) = 699.5 (N = 19)

Caught - Palm Springs 6/7/67
Adult ♂ - 132 mm (S-V)
#3 Thermistor

Date	Time	Temp(°C)
6/9/67	1210	40.0
	1230	38.5
	1250	38.5
	1310	38.5
	1330	38.0
	1350	40.0
	1410	39.0
	1430	39.0
	1450	38.5
	1510	38.5
	1530	38.0
	1550	39.0
	1610	37.5
	1630	37.0
	1650	38.0
	1710	37.5
6/10/67	0710	35.0
	0730	38.0
	0750	37.5
6/11/67	07[illegible]0	34.5
	0730	38.5
	0750	36.0
	0810	36.5
	0850	37.0

Date Time Temp(°C)

Date Time Temp(°C)

Range = 34.5° – 40°C
$\bar{x}$ (total) = 37.8°C
$\bar{x}$ (AM) = 36.6
$\bar{x}$ (PM) = 38.5

Σx = 908.5 (N = 24)
Σx(AM) = 293.0 (N = 8)
Σx(PM) = 615.5 (N = 16)

Caught - Palm Springs 6/7/67
Adult ♂ - 123 mm (S-V)
1 Thermistor

Date	Time	Temp(°C)	Date	Time	Temp(°C)	Date	Time	Temp(°C)
6/12/67	0800	37.0						
	0820	37.0						
	0840	38.5						
	0900	39.5						
	0920	38.0						
	0940	35.0						
	1000	36.5						
	1020	37.0						
	1040	38.0						
	1100	37.0						
	1120	38.5						
	1140	38.0						
	1200	37.0						
	1220	37.5						
	1240	35.5						
	1300	37.5						
	1320	38.5						
	1340	36.0						
	1400	39.0						
	1420	38.0						
	1440	39.5						
	1500	40.0						
	1520	39.0						
	1540	37.5						
	1600	37.5						
	1620	37.0						
	1640	38.0						
	1700	38.0						

Range = 33.5° - 40.0°C
$\bar{x}$(Total) = 37.8°C
$\bar{x}$(AM) = 37.8
$\bar{x}$(PM) = 37.8

Σx = 1059.5 (N = 28)
Σx(AM) = 454.0 (N = 12)
Σx(PM) = 605.5 (N = 16)

Caught – Palm Springs 6/7/67
Adult ♂ – 124 mm (S-V)
#3 Thermistor

Date	Time	Temp(°C)	Date	Time	Temp(°C)	Date	Time	Temp(°C)
6/12/67	0810	38.5						
	0830	38.5						
	0850	37.5						
	0910	39.0						
	0930	38.5						
	0950	37.5						
	1010	39.5						
	1030	39.0						
	1050	39.0						
	1110	40.0						
	1130	39.5						
	1150	39.0						
	1210	39.5						
	1230	40.0						
	1250	39.5						
	1310	39.0						
	1330	39.0						
	1350	40.5						
	1410	40.0						
	1430	41.0						
	1450	39.0						
	1510	42.0						
	1530	39.0						
	1550	39.5						
	1610	40.0						
	1630	39.5						
	1650	39.5						
	1710	41.0						

Range = 37.5°–42.0°C
$\bar{x}$ (total) = 39.4°C
$\bar{x}$ (AM) = 38.8
$\bar{x}$ (PM) = 39.9

Σx = 1103.5 (N = 28)
Σx (AM) = 465.5 (N = 12)
Σx (PM) = 638.0 (N = 16)

Caught - Palm Springs 6/7/67

Adult ♂ - 126 mm (S-V)

#3 Thermistor

Date	Time	Temp (°C)
6/13/67	0810	39.0
	0830	40.0
	0850	39.5
	0910	38.0
	0930	38.5
	0950	38.0
	1010	38.0
	1030	39.0
	1050	37.0
	1110	40.0
	1130	39.0
	1150	37.0
	1210	38.5
	1230	39.0
	1250	39.0
	1310	39.0
	1330	38.5
	1350	38.5
	1410	39.0
	1430	39.5
	1450	38.5
	1510	38.5
	1530	38.0
	1550	37.5
	1610	37.5
	1630	37.5
	1650	37.5
	1710	37.0

Date	Time	Temp (°C)

Date	Time	Temp (°C)

Range = 36.0° — 40.5°C

$\bar{x}$ (Total) = 38.4°C

$\bar{x}$ (AM) = 38.6

$\bar{x}$ (PM) = 38.3

ΣX = 1076.0 (N = 28)

ΣX(AM) = 463.0 (N = 12)

ΣX(PM) = 613.0 (N = 16)

DIPSOSAURUS DORSALIS

Caught – Palm Springs 6/7/67
Adult ♂ – 132 mm (S–V)
#1 Thermistor

Date	Time	Temp(°C)
6/13/67	0800	40.0
	0820	40.0
	0840	39.0
	0900	38.5
	0920	38.5
	0940	39.0
	1000	38.5
	1020	38.5
	1040	38.0
	1100	37.5
	1120	38.0
	1140	37.0
	1200	37.0
	1220	39.0
	1240	39.5
	1300	39.0
	1320	38.5
	1340	38.5
	1400	38.5
	1420	38.5
	1440	38.0
	1500	38.0
	1520	38.0
	1540	38.0
	1600	38.0
	1620	38.0
	1640	38.0
	1700	38.5

Date	Time	Temp(°C)

Date	Time	Temp(°C)

Range = 36.0° – 40.5 °C
$\bar{X}$ (Total) = 38.4 °C
$\bar{X}$ (AM) = 38.5
$\bar{X}$ (PM) = 38.3

ΣX = 1075.5 (N = 28)
ΣX(AM) = 462.5 (N = 12)
ΣX(PM) = 613.0 (N = 16)

Caught – Palm Springs 6/7/67
Adult ♂ 117 mm (s-v) (molting)
1 Thermistor

Date	Time	Temp(°c)	Date	Time	Temp(°c)	Date	Time	Temp(°c)
6/14/67	0750	38.0						
	0810	38.5						
	0830	39.5						
	0850	39.0						
	0910	40.0						
	0930	40.0						
	0950	39.5						
	1010	39.5						
	1030	39.0						
	1050	39.5						
	1110	38.0						
	1130	40.0						
	1150	37.5						
		508.0 = ΣX						

Range = 36.5° – 40.5 °c
$\bar{x}$ (total) = 39.0°c (N = 13)
$\bar{x}$ (AM) = 39.0°c (N = 13)
$\bar{x}$ (PM) = ——

DIPSOSAURUS DORSALIS

Caught - Palm Springs 6/7/67

Adult ♂ - 128 mm (S-V)

3 Thermistor

Date	Time	Temp(°C)	Date	Time	Temp(°C)	Date	Time	Temp(°C)
6/14/67	0800	35.0						
	0820	39.0						
	0840	38.0						
	0900	38.0						
	0920	39.0						
	0940	36.0						
	1000	37.5						
	1020	37.0						
	1040	38.0						
	1100	38.5						
	1120	39.5						
	1140	36.0						
	1200	37.5						
		492.0 = ΣX						

Range = 35.0° - 39.5 °C

$\bar{x}$(Total) = 37.8 °C (N=13)

$\bar{x}$(AM) = 37.8 °C (N=13)

$\bar{x}$(PM) = ______

DIPSOSAURUS DORSALIS

Caught - Palm Springs 6/7/67
Adult ♂ - 130 mm (S-V)
#1 Thermistor

Date	Time	Temp(°c)	Date	Time	Temp(°c)	Date	Time	Temp(°c)
6/19/67	0735	41.0	6/20/67	0720	36.0			
	0750	40.0		0740	34.5			
	0830	39.5		0800	36.5			
	0850	42.0		0900	35.0			
	0910	38.0		0920	37.0			
	0930	38.5		0940	38.5			
	0950	37.5		1000	36.5			
	1010	38.5		1020	35.5			
	1030	37.5		1040	36.5			
	1050	37.0		1100	35.0			
	1110	37.0		1120	36.0			
	1130	37.5		1200	37.5			
	1150	37.5		1220	37.0			
	1210	37.0		1240	37.5			
	1230	38.0		1300	37.0			
	1250	38.0		1320	37.0			
	1310	39.0		1340	37.0			
	1330	37.5		1400	37.0			
	1350	39.0		1420	38.0			
	1410	38.0		1440	38.0			
	1430	37.0						
	1450	39.0						
	1510	38.0						
	1530	37.0						
	1550	39.0						
	1610	37.0						
	1630	38.0						
	1650	35.5						
	1710	35.0						

Range = 33.5° – 44.0°C
$\bar{x}$(total) = 37.5°C
$\bar{x}$(AM) = 37.4
$\bar{x}$(PM) = 37.5

ΣX = 1836.5 (N=49)
ΣX(AM) = 898.5 (N=24)
ΣX(PM) = 938.0 (N=25)

Caught - Palm Springs 6/7/67
Adult ♂ - 128 mm (S-V) (molting)
#3 Thermistor

Date	Time	Temp(°C)	Date	Time	Temp(°C)
6/19/67	0745	40.0	6/20/67	0730	38.0
	0800	40.0		0750	36.5
	0820	40.0		0810	38.0
	0840	40.5		0830	38.5
	0900	40.5		0850	38.5
	0920	39.0		0910	35.5
	0940	36.5		0930	36.5
	1000	38.0		1010	37.0
	1020	40.0		1030	35.0
	1040	39.0		1050	37.5
	1100	39.5		1110	36.5
	1120	38.5		1130	36.5
	1140	39.5		1230	37.5
	1200	39.0		1250	38.5
	1220	39.0		1310	38.5
	1240	41.0		1330	38.0
	1300	39.0		1410	38.5
	1320	40.0		1430	40.0
	1340	40.5		1450	40.0
	1400	39.5			
	1420	39.0			
	1440	38.0			
	1500	39.0			
	1520	40.0			
	1540	37.0			
	1600	36.5			
	1620	37.5			
	1640	39.0			
	1700	39.0			
	1720	38.0			

Date Time Temp(°C)

Range = 33.5° − 41.0°C
$\bar{x}$ (total) = 38.5°C
$\bar{x}$ (AM) = 38.2
$\bar{x}$ (PM) = 38.8

ΣX = 1887.0 (N = 49)
ΣX(AM) = 955.0 (N = 25)
ΣX(PM) = 932.0 (N = 24)

DIPSOSAURUS DORSALIS

Caught - Palm Springs 8/17/67
Adult ♂ - 120 mm (S-V)
#1 Thermistor

Date	Time	Temp (°C)
8/18/67	0840	40.0
	0900	39.0
	0920	38.5
	1020	39.0
	1040	36.5
	1100	36.5
	1140	37.5
	1220	36.0
	1240	37.5
	1300	36.0
	1320	37.5
	1340	37.0
	1400	36.0
	1420	37.0
	1440	41.0
	1500	36.0
	1520	36.0
	1540	36.5
	1600	36.0
	1620	36.0
	1640	36.0
	1700	35.0

Range = 35.0° – 41.0°C
$\bar{X}$ (Total) = 37.1°C
$\bar{X}$ (AM) = 38.1°C
$\bar{X}$ (PM) = 36.6°C

ΣX = 816.5 (N = 22)
ΣX (AM) = 267.0 (N = 7)
ΣX (PM) = 549.5 (N = 15)

DIPSOSAURUS DORSALIS

Caught - Palm Springs 8/17/67

Adult ♂ - 128 mm (S-L)

#3 Thermistor

Date	Time	Temp(°C)
8/18/67	0850	38.5
	0910	38.5
	0930	37.0
	0950	35.0
	1010	37.0
	1030	36.5
	1050	36.5
	1110	36.5
	1130	38.0
	1150	38.0
	1210	37.0
	1230	37.0
	1250	34.0
	1310	37.0
	1330	37.0
	1350	37.0
	1410	34.5
	1430	37.0
	1450	37.0
	1510	35.5
	1530	34.0
	1550	35.0
	1610	37.0
	1630	36.5
	1650	35.5

Range = 34.0° – 38.5 °C

$\bar{x}$ (Total) = 36.5 °C

$\bar{x}$ (AM) = 37.2 °C

$\bar{x}$ (PM) = 36.1 °C

Σx = ~~37?.5~~ 912.5 (N = 25)

Σx (AM) 371.5 (N = 10)

Σx (PM) 541.0 (N = 15)

77 mm (S-V)

Sauromalus obesus

Date	Time	Temp (°C)	Therm no.
5/29/61	~~1250~~ 1240	38.0	1
	1300	34.0	↓
	1320	36.5	
	1340	36.0	
	1400	35.0	
	1420	36.0	
	1440	37.0	
	1500	37.0	
	1520	37.0	
	1540	36.0	
	1600	36.0	

126 mm (S-V)

Sauromalus obesus

Date	Time	Temp (°C)	Therm No.
5/29/87	1250 ~~1300~~	36.0	3
	1310	35.5	|
	1330	35.5	|
	1350	35.0	|
	1410	35.0	|
	1430	37.0	|
	1450	37.0	|
	1510	37.0	|
	1530	37.0	|
	1550	37.0	|
	1610	37.5	|

50 mm (5 V)

Sauromalus obesus

Date	Time	Temp (°C)	Therm. No.
5/26/67	0750	36.0	1
	0810	37.0	1
	0830	37.0	1
	0850	34.5	1
	0910	36.0	1
	0930	36.5	1
	0950	35.5	1
	1010	35.0	1
	1030	35.0	1
	1050	39.0	1
	1110	37.0	1
	1130	37.0	1
	1150	37.0	1
	1210	35.0	1
	1230	37.5	1
	1250	37.0	1
	1310	38.0	1
	1330	35.0	1
	1350	36.5	1
	1410	37.0	1
	1430	38.0	1
	1450	30.0	1
	1510	27.0	1
	1530	27.0	1
	1550	27.0	1
	1610	27.0	1
	1630	27.0	1

110 mm (5-[illegible])

Sauromalus obesus

Date	Time	Temp (°C)	Thermo
5/26/[illegible]	0800	38.0	3
	0820	38.5	
	0840	38.5	
	0900	37.0	
	0920	36.0	
	0940	40.0	
	1000	36.5	
	1020	37.0	
	1040	39.0	
	1100	36.5	
	1120	37.0	
	1140	37.0	
	1200	38.5	
	1220	37.5	
	1240	36.5	
	1300	36.5	
	1320	38.0	
	1340	39.0	
	1400	37.0	
	1420	40.0	
	1440	39.0	
	1500	37.5	
	1520	35.0	
	1540	39.0	
	1600	38.0	
	1620	40.0	
	1040	39.0	

133 mm (S-V)

Sauromalus obesus

Date	Time	Temp (°C)	Therm No.	Date	Time	Temp (°C)	Therm No.
5/4/67	0800	32.5	3	5/6/67	0900	33.0	3
	0820	30.0	↓		0920	31.0	↓
	0840	27.5			0940	29.5	
	0900	28.5			1000	31.0	
	0920	34.5			1020	30.0	
	0940	33.5			1040	29.0	
	1000	38.0			1100	30.5	
	1020	31.5			1120	33.5	
	1040	30.0			1140	35.0	
	1100	31.0			1200	35.5	
	1120	33.5			1220	32.0	
	1140	31.0			1240	36.5	
	1200	34.0			1300	34.5	
	1220	32.0			1320	33.0	
	1240	31.0			1340	35.5	
	1300	30.0			1400	35.5	
	1320	30.0			1420	34.0	
	1340	35.0			1440	34.0	
	1400	35.0			1500	34.5	
	1420	34.0			1520	31.5	
	1440	~~[illegible]~~ 35.0			1540	36.5	
	1500	38.0			1600	34.0	↓
	1520	33.5					
	1540	30.5					
	1600	38.0					
	1620	35.0					
	1640	35.0					
5/5/67	0800	35.5					
	0820	33.5					
	0840	37.5	↓				

175 mm (S-V)

Sauromalus obesus

Date	Time	Temp(°C)	Therm No.	Date	Time	Temp(°C)	Therm No.	Date	Time	Temp(°C)	Therm No.
5/8/67	0900	36.0	3	5/9/67	0850	28.0	3				
	0920	36.0			0910	31.0					
	0940	32.0			0930	29.0					
	1000	33.0			0950	28.0					
	1020	36.0			1010	27.5					
	1040	32.5			1030	27.0					
	1100	35.5			1050	27.5					
	1120	36.0			1110	32.0					
	1140	36.0			1130	32.5					
	1200	36.5			1150	32.0					
	1220	37.0			1210	31.0					
	1240	38.0			1230	31.0					
	1300	36.5			1250	31.0					
	1320	36.0			1310	34.0					
	1340	35.0			1330	38.0					
	1400	36.0			1350	39.0					
	1420	36.0			1410	39.5					
	1440	31.5			1430	35.0					
	1500	36.0			1450	35.0					
	1520	36.5			1510	38.5					
	1540	37.0			1530	34.0					
	1600	34.5			1550	33.5					
	1620	38.0			1610	36.5					
	1640	38.0			1630	38.0					
	1700	38.0			1650	38.0					
	1720	36.0			1710	38.0					
5/9/67	0730	33.0									
	0750	33.0									
	0810	32.0									
	0830	29.0									

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STEEL BACKPLATE

S. E. & M. VERNON, INC.

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